HEALTH SCIENCES STANDARD
HX00035157
RECAP

2/ SUPPLEMENTARY SIXTH EDITION CATALOGUE

OPHTHALMOLOGICAL APPARATUS EYE, EAR, NOSE & THROAT SURGICAL INSTRUMENTS SPECIALISTS' EQUIPMENT

E. B. Meyrowitz
INCORPORATED

520 FIFTH AVENUE, NEW YORK

BROOKLYN MINNEAPOLIS ST. PAUL
DETROIT LONDON PARIS

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Terms

PRICES. Owing to constant fluctuations, prices have been omitted from the body of this catalog, being contained in a separately issued price list that will be revised from time to time whenever necessary. Comparison will show that our net prices are as low, and in some instances lower, than the prices quoted in other catalogs after deduction of the discount.

AS OUR CATALOG is circulated freely and reaches the hands of intending customers unknown to us, it is requested that such orders be accompanied by the amount called for.

NEW ACCOUNTS. We are always pleased to open accounts with customers who will favor us with satisfactory business references. Such orders are subject to delay because of the time required for investigation.

C. O. D. SHIPMENTS. If goods are to be sent C. O. D. to purchasers unknown to us an amount amply sufficient to cover all express charges should accompany the order.

REMITTANCES. To avoid risk, make remittance by express, money order, drafts on New York, registered letter or Post Office money order. It is not safe to send money in the ordinary mail.

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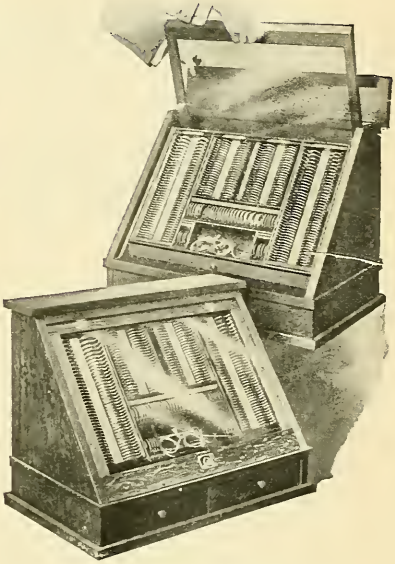
PLEASE DO NOT MUTILATE CATALOG. CATALOG NUMBER IS SUFFICIENT TO IDENTIFY ANY ITEM.

E. B. Meyrowitz INCORPORATED

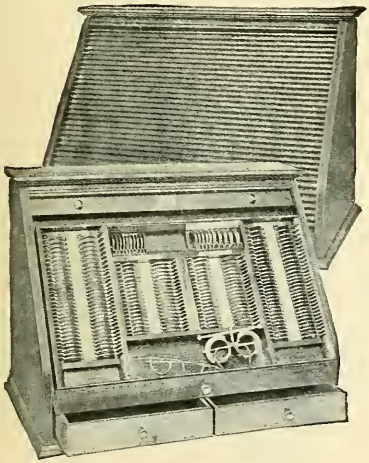
520 Fifth Avenue,
New York

Trial Cases

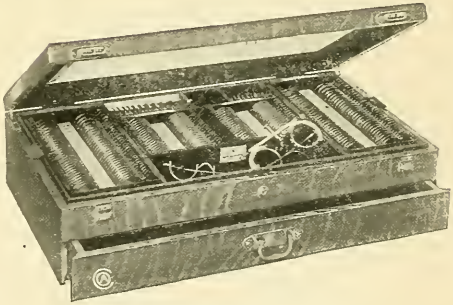
Flat—Leather Covered.



Glass Front Cabinet.



Roll Top Cabinet.



Flat—Polished Wood Case.
With Solid Wood or Plate Glass Top.
With or without drawer.

Trial Cases

All the trial cases listed below are supplied with first quality lenses in nickel plated steel rings with the plus and minus signs punched in handle. *Cylinders plain unless ordered opaque or matted.*

Prices on dress suit or square form traveling cases and pocket cases, also special cases, will be quoted on application.

CONTENTS B.

32 pairs each plus and minus sphericals; 20 pairs each plus and minus cylinders; 10 prisms; 10 disks; 1 adjustable and 1 plain trial frame.

CONTENTS C.

35 pairs each plus and minus sphericals; 21 pairs each plus and minus cylinders; 15 prisms; 14 blanks and colored disks; 1 adjustable and 1 plain trial frame.

CONTENTS E.

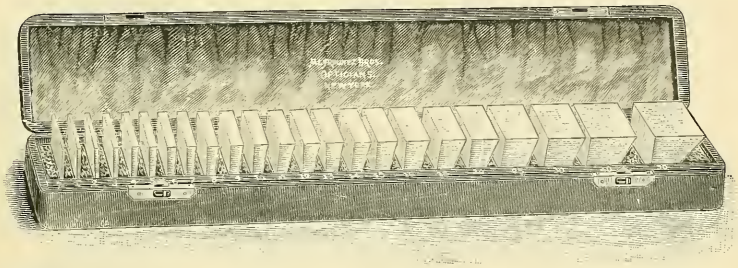
40 pairs each plus and minus spherical lenses; 24 pairs each plus and minus cylinders; 17 prisms; 23 disks and colored glasses; 1 adjustable and 1 plain trial frame.

Contents:	B	C	E
Leather case, velvet covered tray	No. 4002	No. 4012	No. 4022
Oak " " " "	No. 4004	No. 4014	No. 4024
Oak " oak tray	No. 4006	No. 4016	No. 4026
Roll Top case, velvet tray	No. 4054	No. 4058	No. 4062
Roll " " oak tray	No. 4056	No. 4060	No. 4064
Glass front cabinet, oak tray	No. G4056	No. G4060	No. G4064

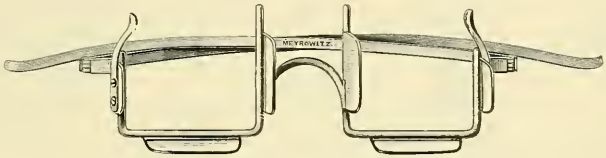
TRIAL CASE EXTRAS.

Mahogany instead of oak, flat cases
Mahogany " " " roll top cases
Mahogany " " " glass front cases
Plate glass in top of any flat case
Drawer in any flat case
Etching focus on lenses, per set
Matted cylinders, per set

Prism Cases and Frames



4102



4106

4100 Prism Set in leather covered case, containing 9 prisms of 1, 2, 4, 6, 8, 10, 12, 14, and 20 diopters . . . . . .

4101 Prism Set as above, containing 17 square prisms, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 30 and 40 diopters . . . . . .

4102 Prism Set as above, containing 23 square prisms, ½, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 30, 40 and 50 diopters . . .

4103 Prism Set, containing 20 round prisms in leather case, one pair each, ½, 1, 1.50; 2, 2.50; 3, 3.50, 4.00; one each 5, 10, 15, 20 diopters . . .

4106 Prism Frame for 1½″ square prisms . . . . . .

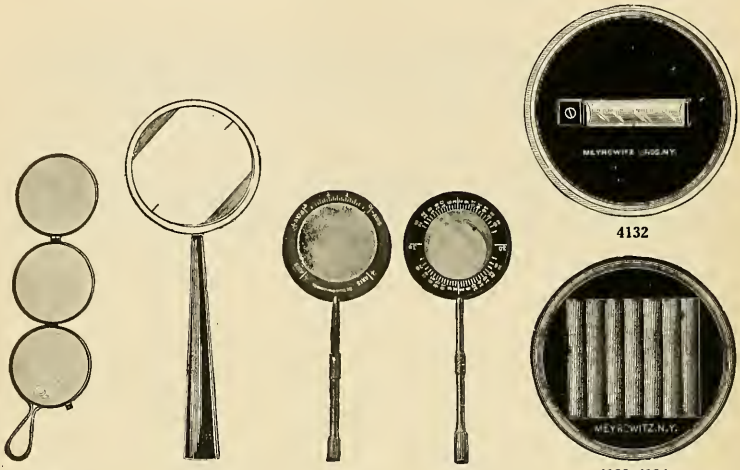
4110-4111

4110 Lens Measure, single scale . . .

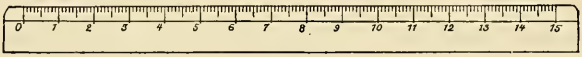
4111 " " . . . . .

With double scale for measuring, without computation the deep curves common in Toric lenses.

Trial Case Lenses and Accessories



4120 4124 4126 4130 4132 4133-4134



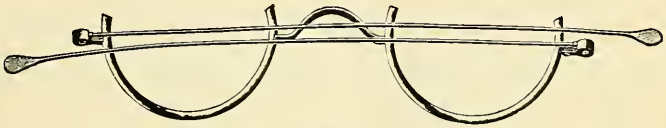
4140

4120 Three Power Confimation Test, plus or minus . .25, .50 and .75 D each
4124 Cross Cylinders . . . . .12, .25, .50 and .75 D each
4126 Variable Cross Cylinder, giving any power of cross cylinder from 0 to 3 diopters. Has clear visual field of 1 inch; made to fit the regular 1½ inch trial frame, extension handle removable . . . . . .
4130 Risley Double Rotating Prism, affords any prism equivalent from 0 to 30 diopters. Is made to fit the regular 1½ inch trial frame and is provided with removable extension handle for convenient operation . . .
4132 Maddox Single Rod, white or red . . . . . .
4133 " Multiple Rod White . . . . . .
4134 " " " Red . . . . . .
4140 Celluloid rule 15 c. m., m. m. one side inches on reverse . . . .

Extra Trial Case Lenses in Nickel Rims

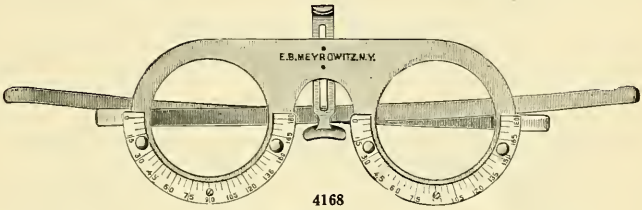
SPHERICAL LENSES	CYLINDERS	DISKS AND COLORED GLASSES
.12 to 2.00 D . . ea.	.12 to 2.00 D	
2.25 to 4.25 D . . ea.	2.25 to 4.25 D	Blank disk
4.50 to 6.00 D . . ea.	4.50 to 6.00 D	Pin hole disk
6.50 to 8.00 D . . ea.	6.50 to 8.00 D	Stenopeic slit
8.50 to 10.00 D Plus ea.		Cross line disk
8.50 to 10.00 D Minus ea.	PRISMS	
10.50 to 13.00 D Plus ea.	½ deg. to 3½ deg.	Red glass
10.50 to 13.00 D Minus ea.	4 to 7	Green glass
14.00 to 16.00 D Plus ea.	8 to 10	Blue glass
14.00 to 16.00 D Minus ea.	11 to 13	Crookes' plano glass
18.00 to 20.00 D Plus ea.	14 to 16	
18.00 to 20.00 D Minus ea.	18 to 20	

Trial Frames

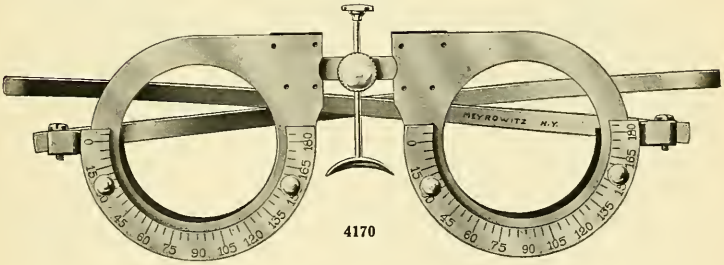


4160

4164
4165



4168



4170

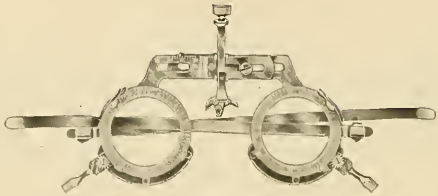
4160 Trial Frame, plain, single cell . . . . . .
4162 " " " double " . . . . . .
4164 " " 2 cells, celluloid scale . . . . . .
4165 " " 3 " " " . . . . . .
4168 Clinical Trial Frame . . . . . .

Made of light steel plate in one piece. Adjustable nose piece. For three pairs of lenses.

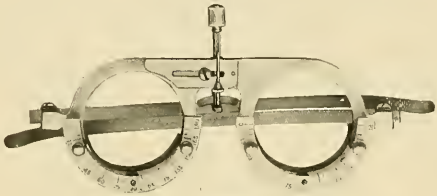
4170 Buller Trial Frame . . . . . .

Made of light steel plate with an inter-pupillary slide adjustment. The nose piece is adjustable. The best open cell adjustable trial frame.

Trial Frames



4171



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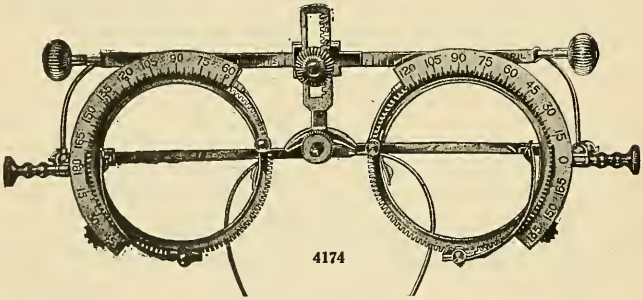


4174

4171—Adjustable, Tilting Front Trial Frame . . . . . .

A very substantially constructed frame with inter-pupillary and up and down, and in and out bridge adjustment, two stationary and one revolving cell actuated by means of a short stem. The lens holding springs are of a special type minimizing breakage. Temples are attached to the frame so as to permit tilting of same.

4172 Adjustable Open Cell Trial Frame, Rogers . . . . . .

Of extra strong construction consisting essentially of two steel plates adjustably mounted so that the distance between them is regulated by an ingeniously placed rack-and-pinion. The height of the bridge is regulated by pushing this pinion up or down. This mechanism is exceedingly simple and very substantial. This frame is arranged to hold securely four pairs of lenses and in spite of its strength and rigidity it is by no means a heavy frame.

4174 Adjustable Trial Frame . . . . . .

Adjustable for pupillary distance and for moving the bridge up and down and in and out. Provision for three pairs of lenses, one pair of rotating cells for cylinders operated by the small pinion at the side. Supplied with extension cable temples.

4175 Adjustable Trial Frame as above, without the small pinion for operating the revolving cells . . . . . .

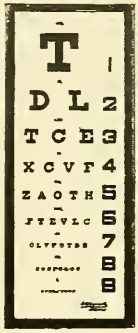
Transparent Test Types

These test types are etched on white opal glass, on a matt surface, and the letters are sharp and distinct, and as they are etched in the glass, can be readily cleansed, presenting always the same dead white background, and therefore do not become indistinct by age, as in the case with paper test types.

4200

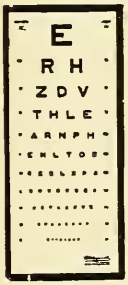
4201

4202



4203

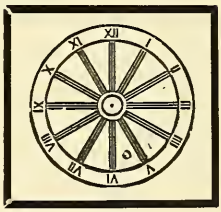
(Reversed.)



4205

4206

4207



4208

Black Letters Etched on Opal Glass

4200 to 4203 Snellen's test types, in ebonized frame . . . . . .
4204 Snellen's German test types, in ebonized frame . . . . . .
4205 Metric test type, in ebonized frame . . . . . .
4206 Hebrew test type, in ebonized frame . . . . . .
4207 Wolfberg's illiterate test types, in ebonized frame . . . . . .
4208 Astigmatic dial, in ebonized frame . . . . . .
4209 Astigmatic dial and Snellen letters on one plate, ebonized frame . . .

Nos. 4200 to 4203 can be furnished with letters reversed for use with mirror to obtain the equivalent of 20 feet distance in a space of smaller proportions. In ordering, please give number and add "reversed."

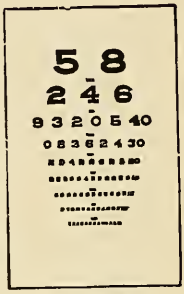
Test Types

4215

4216

4217*

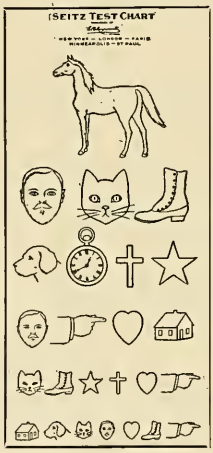
4218


4220

4227

4221

4222



4225

4224

4226

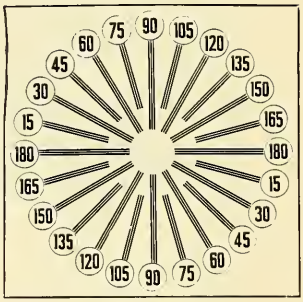
4215 to 4218 Snellen's 10 feet, finely lithographed, heavy cardboard . . .
4220 Snellen's numbers, finely lithographed, heavy cardboard . . . .
4221 " German, " " " " . . . .
4222 " Illiterate, " " " " . . . .
4224 " reversed " " " " . . . .
4225 Seitz', for children and illiterates, lithographed, heavy cardboard . . .
4226 Snellen's metric, lithographed, heavy cardboard . . . . .
4227 Wolbarst, Hebrew, finely lithographed, heavy cardboard . . . .

*Large letter at bottom.

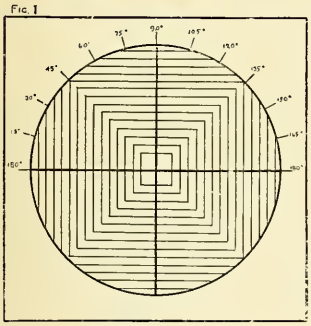
Test Cards

4230

4235



4238



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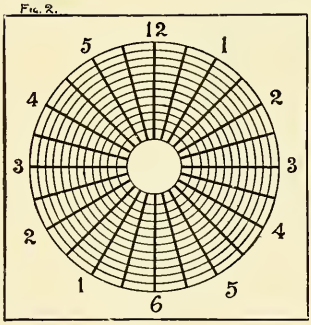
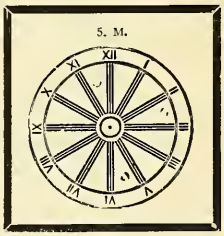


4241

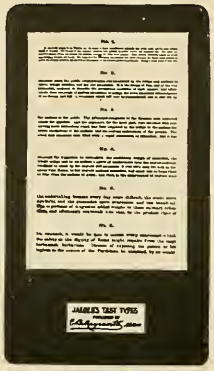


4237

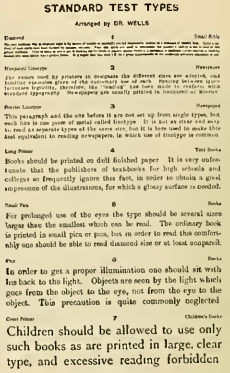
4230 Snellen's Test Card, white letters on black background, paper . . . .
4231 " " " " " " " " heavy cardboard .
4235 Landolt's "Broken Ring" Test Type, printed on cardboard . . . .
4237 Astigmatic Dial, Green's clock-face, cardboard . . . . . .
4238 " " Wallace's, very large, 30″ square, on cardboard . . .
4239 " " Newcomb's "checker board" . . . . . .
4240 " " Verhoeff's with revolving circular dial presenting two sets of lines at right angles to each other affording the greatest contrast when one set of lines is along the axis of astigmatism . . . . . .
4241 Astigmatic Dial, Verhoeff's, plain . . . . . .

Test Types

4270-4275



4277-4280



4282

4270 Jaeger's Test Types for near vision, English, 3-page, 1 to 14 . . . .

4271 Jaeger's Test Types for near vision, English, modified by Fuchs, 3-page folder, 1 to 14 . . . . . .

4272 Jaeger's Test Types for near vision, German, from 1 to 14, 3-page folder .

4275 Threefold Test Type Holder for above, red cloth, leather corners . . .

4277 Jaeger's Test Type for near vision, on card, 1 to 11, 3 for . . . .

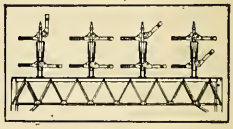
4280 Ebonized Skeleton Wooden Holder for same . . . . . .

4282 Reading Test Type, Dr. Wells' arrangement, with the printer's designation for each size of type, such as diamond, nonpareil, pica, etc., with illustrations of their uses . . . . . .

Railroad Test Types

4293

4294



4295

4290 Standard Railway Test Cards, distance, beginning, Z O H or O Z H .

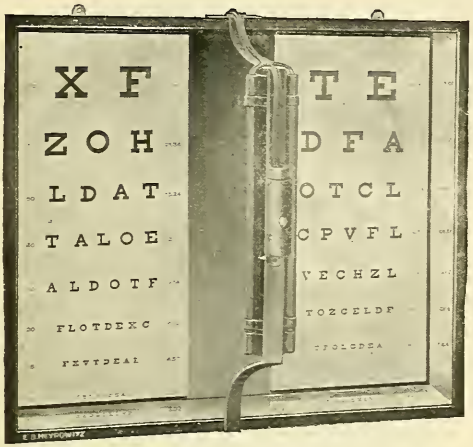
4292 " " " " reading, 4½ by 16¾ . . . . .

4293 Dr. C. H. William's Test Type for examining the vision of railroad employees
Consisting of 16 cards some of which are made to represent semaphores in different positions, and separate lines of letters.

4294 Dr. Nelson M. Black's Test Types for railroad employees . . . .
Consisting of 21 cards complete with instructions for use.

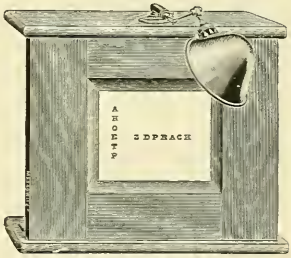
4295 Dr. Nelson M. Black's Semaphore Cards . . . . . .
Consisting of six charts showing semaphores in different positions, complete with instructions.

Test Cabinets



4302

4300



4305

4300 Test Type Cabinet, Mirror Lined . . . .

These cabinets are made of mahogany and lined on four sides with mirrors to effect an even diffusion of illumination. The cards are inserted through an opening at the side and practically any standard test type card can be used if trimmed to the proper size.

Complete with bracket carrying lamp and reflector, connecting cord and attachment plug.

4302 Test Type Cabinet, mirror-lined, with muscle test light . . . .

Mahogany cabinet, mirror lined, for two test cards. Equipped with central reflector and 10-inch tubular lamp.

To the back of the reflector is attached a small cylinder with an eight-millimeter hole and containing a lamp. This forms an efficient and convenient muscle test light.

Complete with one large and one small lamp, connecting wire, three-way switch for controlling lamps independently, and attachment plug.

4305 The Grow Unlearnable Test Cabinet . . . . . .

This cabinet is substantially constructed of oak with a central white enamel plate containing one vertical and one horizontal slot.

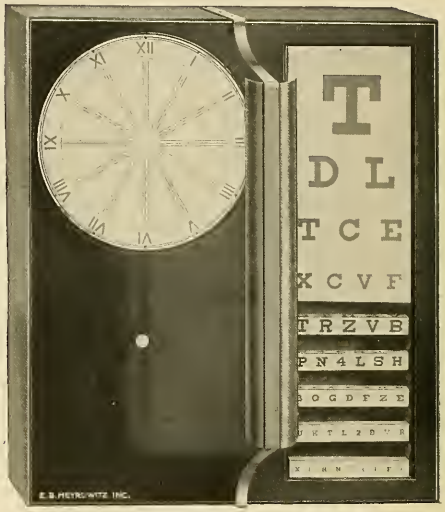
Carried on a slide, which can be moved to the right and left and up and down in the back of the cabinet is a card containing the test letters. As the patient sees but one vertical and one horizontal line of type without anything to indicate the position of the card, he must see the letters in order to read them. Even memorizing the card will not enable him to pass an examination unless he sees the letters.

Indispensable for Army, Navy, Railroad, Steamship, Police and Fire Department examinations.

Pneumatic Test Type Cabinet

Operated by Pneumatic Push Button

4308



4309

4308 Pneumatic Test Type Cabinet, single . . . . . .

In this cabinet the 10, 20, 30, 40 and 50 foot letters are mounted on the four sides of rotating blocks. These blocks are simultaneously rotated, thereby bringing into view a new set of letters, by pressure on a pneumatic push button, which may be placed where most convenient to the operator. The cabinet, therefore, while occupying the wall space of one single test card, affords four changes of letters, and the mechanism is simple and positive in action. There being no electrically actuated devices the possibilities of breakdowns are practically removed. Furthermore the apparatus may be installed anywhere without violating the underwriters' regulations.

The cabinet is beautifully made of mahogany (other finishes may be had on short notice) and the entire apparatus is very pleasing in appearance.

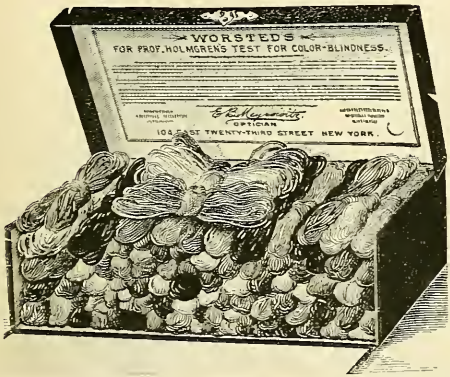
The apparatus is complete with a bracket carrying lamp and reflector with the necessary connecting wire and attachment plug.

4309 Combination Pneumatic Test Type Cabinet . . . . . .

Mechanically this cabinet is similar to the one described above, but displays in addition an Astigmatic Chart and an eight-millimeter opening lighted by a separate lamp for a muscle test light. The illnmination is by means of a long cylindrical reflector carrying a ten-inch tubular lamp. The cabinet is made of mahogany and is complete with the necessary wire, attachment plug, and a three-way switch for controlling the lights separately.

Each of the above cabinets is supplied with 20 feet of flexible metallic air tubing which is easily installed without tools. It may be carried along picture moulding or under the edge of a rng, as may be found most convenient. Extra tubing at market price. In ordering, state quantity of tubing that is required.

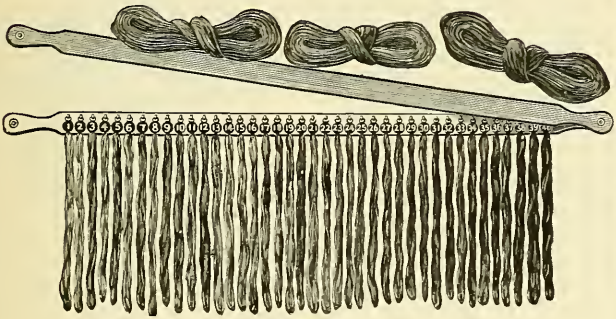
Color Perception Testing Apparatus



4320

4323

4321



4325

4320 Holmgren's Set of Color Worsteds . . . . . .

This set consists of 125 tagged small skeins of colored worsteds and three large skeins as adopted by the American Ophthalmological Society, complete in box with full directions.

4321 Holmgren's Set of Colored Worsteds, small . . . . . .

This set consists of 100 small skeins and three large skeins complete in box with directions.

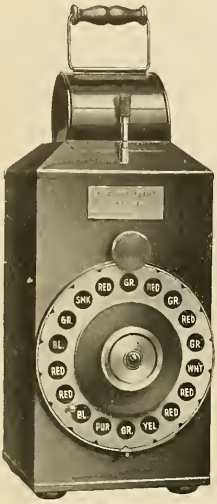
4325 Thompson's Stick of Colored Worsteds . . . . . .

Consisting of colored worsteds numbered 1-40, and mounted as shown in the cut. The numbers are hidden from the examinee when the two parts forming the handle are brought together. Complete in box with full directions.

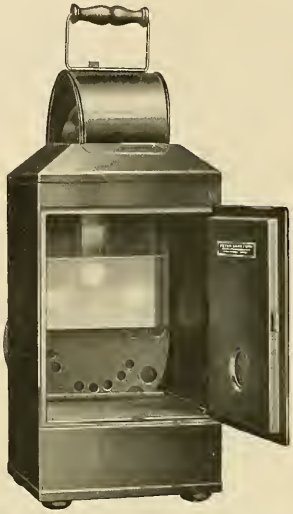
4328 Oliver Abney Pellet Test for Central Scotoma . . . . . .

This set consists of 17 colored ivory balls, four millimeters in diameter, supplied in a tray with cover. Complete description and directions on application.

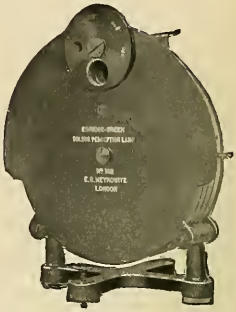
Color Perception Testing Apparatus



4330-4331

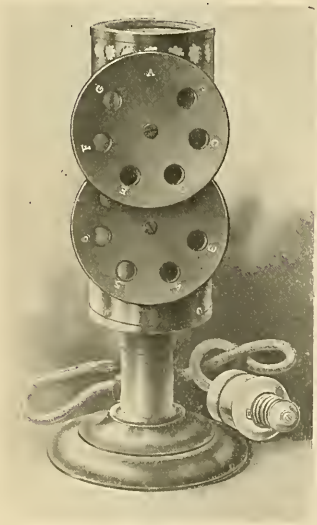


4331 (rear)



4333 (front)

4333 (rear)



4335

4330 Williams' Lantern for Testing Color Vision, with electric lights and rheostat for controlling illumination .

4331 Williams' Lantern for Testing Color Vision with oil lamps . . . . . .

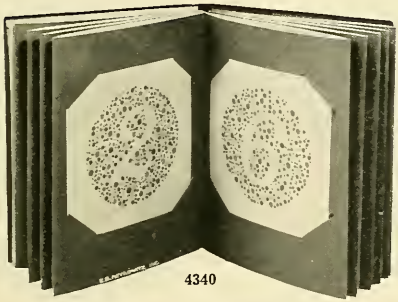
4333 Edridge-Green Lantern for Testing Color Vision, with electric light . . . . . .

This lamp contains four disks separately revolvable, affording all the necessary colors, and smoked and ribbed glass disks to simulate fog and snow.

4335 Thomson Lantern for Testing Color Vision, with electric light . . . . . .

This apparatus consists of a hood containing an electric light and to which are attached two revolving disks, each with seven colored glasses mounted in it. The disks can be used separately or can be super-imposed, affording many combinations.

Color Perception Testing Apparatus

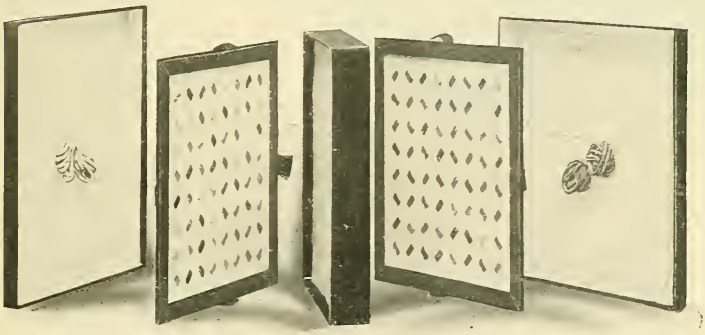


4340

4340 Ishahara Color Plates, Complete in Book Form . . .

This interesting and novel, as well as useful, color test consists of 16 plates arranged in book form, as shown in the illustration. The test object is approximately 3½ inches in diameter and is made up of colored dots of varying diameters and colors. The two pages, at which the book is open in the illustration, show the figures 2 and 6 respectively in dots of various sizes and of colors that contrast with the background. These figures, 2 and 6, are not visible to people with weak color perception. The set contains charts in which the normal read one figure, for instance 8, and the abnormal 3. It includes a chart on which the normal see the number 74 and the color blind 21. There are also several charts on which a figure is visible to the color blind, but invisible to the normal, and several charts in which a winding line between two points on the circumference is visible to the normal, but the color defects when asked to trace a line between the same points follow an entirely different course.

For a quick test and for conclusively demonstrating lack of color perception, this test is exceedingly useful. It requires no technical explanation. Complete directions are printed in the book. A useful test for malingerers.



4342

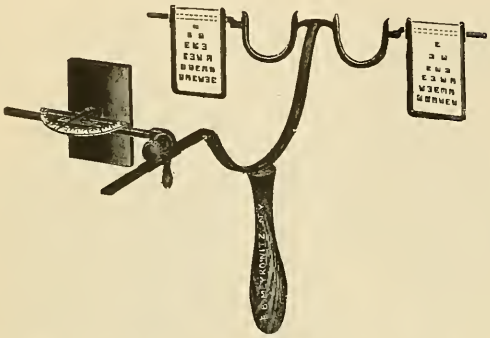
4342 Jennings Self Recording Color Vision Test . . . . . .

This set consists of two color boards, as illustrated, a double compartment box, two lids with test skeins attached, fifty record blanks, stylus and full directions.

In making the test, a record blank is placed underneath one of the color boards and the examinee is asked to make a mark in the perforation opposite each color which in his estimation matches the test skein given him.

Record, therefore, is quickly and automatically made and there is a space on the chart for the signature of the person examined.

Malingering Tests
Placido Disc



4350

4349

4352

4349 Placido disc for rapid detection of astigmatism . . . . . .

4350 Fridenberg's Test for Simulating Blindness . . . . . .

This instrument was devised to reflect the image of a test card in such a way that it can be seen by only one eye at a time, and a demonstration of vision made without the subject of examination obtaining any clue as to which eye is being tested.

The mirror is mounted on a horizontal arm in such a way as to permit of varying its distance from the test card, and of presenting it alternately to either eye. The lateral tilt of the mirror can be changed at will, and is indicated by a pointer on a horizontal scale. When the pointer is at 90 degrees, the plane of the mirror is at right angles to the line of vision of the eye on the corresponding side, and this eye sees its own image. The test card on this side, however, is not normal to the mirror, and its reflection is seen only by the opposite eye, which the subject presumes to be unconcerned in the visual act, as it does not appear in the mirror.

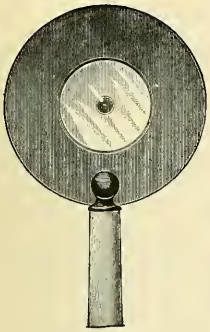
By switching the mirror over to the opposite side of the arm, a similar double test can be applied, so that in all eight variations are rapidly obtained. The mirror can be adjusted laterally to correspond exactly with the interpupillary distance and correcting glasses inserted in the trial frame, if necessary.

The test is simple, rapid and exact, gives no clue to the simulant, and can be demonstrated without theoretical explanations to the members of a commission or jury.

4352 Snellen's Simulating Blind Test . . . . . .

Consists of a series of transparent letters "FRIEND" alternately red and green, and a pair of reversible spectacles with one red and one green lens. The subject can see the whole word with both eyes and FIN or RED with one eye, according to the glass before the eye being employed. No clue is given and confusion is easily caused by several rapid changes of the spectacles.

Apparatus for Retinoscopy



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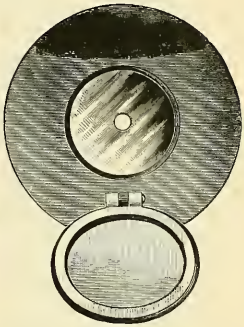

4373

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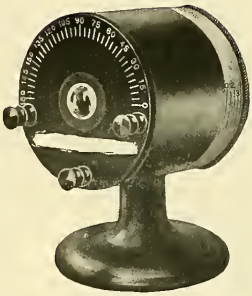


4390-91

4383

4370 Thorington's Retinoscope, ¾″ . . . . . .
4371 " " 1″ . . . . . .
4372 " " 1¼″ . . . . . .
4373 " " ¾″, folding handle . . . . . .
Other sizes of Retinoscopes to order at special prices.
4375 Electric Retinoscope . . . . . .
4376 " " as above, with illuminated fixation letters . . .
4377 " " on battery handle with rheostat . . . . . .
4380 Asbestos Retinoscopic Chimney with 10, 20 or 30 mm. opening . . .
4381 " Chimney with Iris Diaphragm, ventilated covered top for electric lamp, 4½″ tall . . . . . .
4383 Electric Lamp ¾ frosted carbon filament 20 C. P. . . . . .
4384 " " " " " " 32 " " . . . . . .
4385 " " " " " " 50 " " . . . . . .
4386 " " all " mazda (Coakley) 32 C. P. concentrated filament .
4388 Axonometer, broad line . . . . . .
4390 Schematic Eye, for practicing retinoscopy, all metal . . . . . .
4391 " " as above, with variable pupil . . . . . .

Skiascopes - Ophthalmoscopes

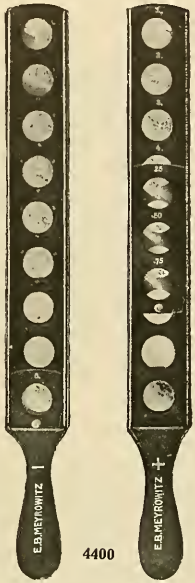
4400 Marple Skiascopic Racks, New Model . . . .

These racks are used in retinoscopy, being held by the patient and moved up or down according to the doctor's directions. Contact with the patient's face is prevented by metal rims.

This method of retinoscopy is more convenient and much quicker than the method of using trial lenses in a trial frame.

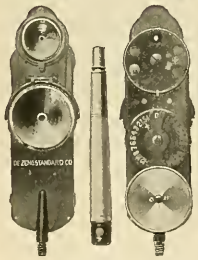
Each of the racks, both plus and minus, contains 1, 2, 3, 4, 5 and 6D lenses. A supplementary slide on one side carries .25, .50 and .75D lenses and a supplementary slide on the other side carries a 6D lens. Every lens power from .25D to 12.75 in both plus and minus is obtainable.

In this new model the lenses are one inch in diameter instead of one and one-half inch as in the older type. The smaller lens makes possible a smaller and lighter rack and increases the sharpness of the shadow.



4400

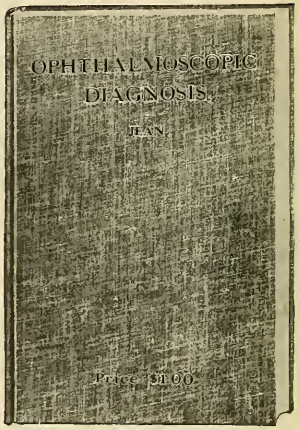
Ophthalmoscopes



4414

4410

4412



4405

4405 "Ophthalmoscopic Diagnosis" by G. W. Jean, M. D., formerly instructor in Ophthalmoscopy at New York Eye and Ear Infirmary. Profusely illustrated, 123 pages, 68 illustrations. A reference book of value. Bound in cloth. . . . . .

4410 Loring Ophthalmoscope, New Model . . . . . .

This instrument contains 19 lenses and has a self intergrating numbering system which shows at all times the power before the sight hole. The lens disk is completely covered. Rectangular mirror. Lenses fastened in mechanically and cannot come loose. In case with condensing lens.

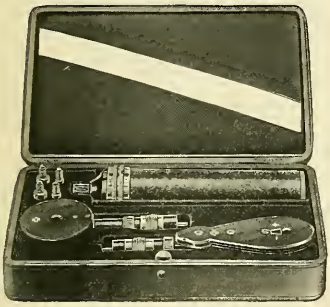
4412 Hare Ophthalmoscope in Case with Lens . . . . . .

This Ophthalmoscope has a long narrow body similar to the Morton Ophthalmoscope. The lenses are driven by a wheel at the lower end of the case. The action is automatic. The entire series of lenses, from 20 plus to 29 minus passes before the sight hole in rotation by simply turning the driving wheel. On the reverse side an additional plus 20D lens is available for examination of the Cornea. Rectangular tilting mirror.

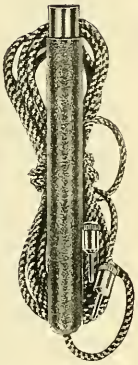
4414 Morton Ophthalmoscope with Lens in Fine Case . . . . . .

A new and improved model having 3 mirrors with pupilometer and color test in handle. All lenses are spun in their rims.

Electric Ophthalmoscopes and Diagnostic Sets



4440



Cord Handle

4425

4428

4430

4432

4425 Marple-Loring Electric Ophthalmoscope in case with 2 lamps

This instrument consists of a regular Loring Ophthalmoscope attached to a battery handle and equipped with the Marple U-shaped mirror, Dennett focussing attachment and a Rheostat for controlling the illumination.

4426 Marple-Loring Ophthalmoscope, as above, with Jumbo size handle . .

4428 Marple-Hare Ophthalmoscope in case with 2 lamps . . . . .

This instrument consists of a Hare Ophthalmoscope attached to a battery handle and equipped with the Marple mirror, the Dennett focussing device and a Rheostat for controlling the illumination.

4430 Marple-Loring Electric Ophthalmoscope, in case with 2 lamps, metal mirror .

4432 "Ideal" Electric Ophthalmoscope in case with 2 lamps . . . .

The Ophthalmoscope head consists of two complete disks independently driven by two driving wheels. One disk contains plus 1, 2, 3, 4, 5, 6 and 7, and minus 8, 16 and 0. The other minus 1, 2, 3, 4, 5, 6 and 7, and plus 8, 16 and 0, giving any combination. Complete with Marple metal mirror. Dennett's focussing adjustment and battery handle with Rheostat.

4440 Electric Diagnostic Eye Set in case . . . . . .

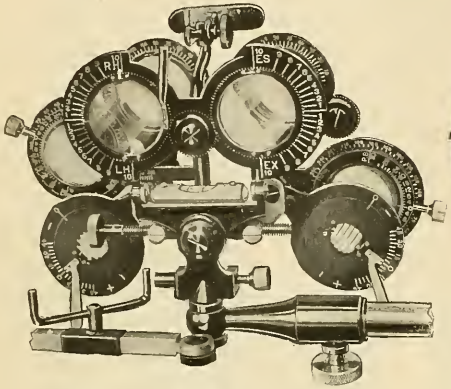
Contains Marple Electric Ophthalmoscope and Electric Retinoscope with one battery handle and two lamps for each instrument.

4441 Electric Diagnostic Eye Set in case . . . . . .

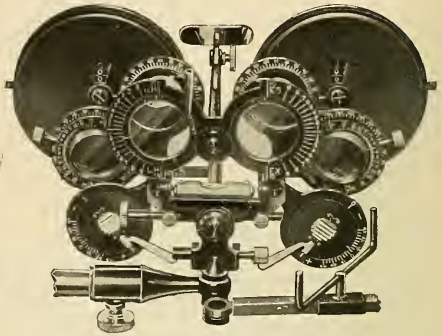
Consists of Marple Electric Ophthalmoscope and Retinoscope with fixation letters, one battery handle and two lamps for each instrument.

Any of the above Ophthalmoscopes can be had with hard rubber handle with cords attached as illustrated.

Phoro Optometer—Tropometer



4450



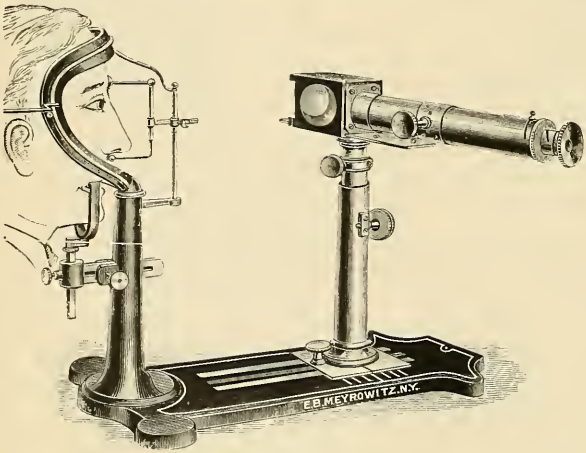
4455

4450 Complete Phorometer-Trial Frame. This instrument has gear-driven three-cell trial frame; Stevens phorometer attachment with spirit level; a universal double rotary prism unit of thirty diopters set in fully graduated mount on each side; a Maddox multiple white rod set in graduated support on each side and an adjustable near point test. The mountings for the prisms and Maddox rods are fitted with new adjustable stops. Complete with wall bracket, floor stand or chair fixture . . . . . .

4455 Same, with the addition of a covered binocular quadruple series of rotatable disks containing both plus and minus spherical lenses . . . . .

4458 Same as No. 4455 with a rotary cross cylinder added . . . . . .

4460 Wells' Stereoscopic Chart Holder Attachment for Phoroptometer . .



4470

4470 Stevens' Tropometer

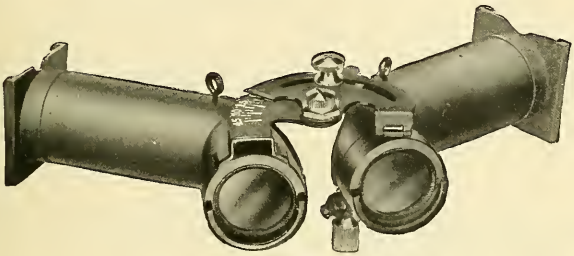
This apparatus is designed to measure the actual rotation of the eye up and down and laterally in degrees of arc.

It consists of a telescope with a Micrometer scale, at the end of which a mirror is placed which makes an angle of 45 degrees with the axis of the telescope and with a line drawn from the eye under examination.

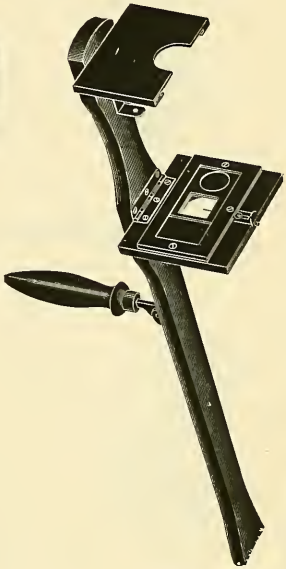
In looking through the telescope a reflection of the eye on the scale is seen and the amount of excursion when the eye is rotated is easily noted by reference to the scale.

The head rest is equipped to immobilize the head in the primary position.

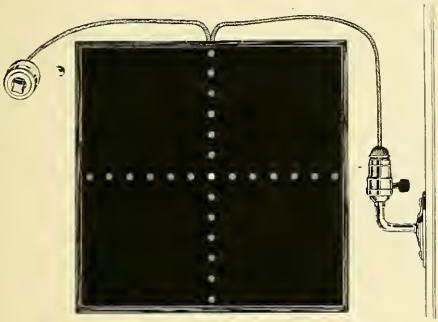
Muscular Insufficiency Apparatus Stereoscopes and Charts



4475



4476



4478

4475 Worth-Black Amblyoscope with 12 sets of pictures . . . . . .
This instrument is used for the orthoptic treatment of squint. The two parts are hinged together permitting training in the amplitude of fusion.

4476 Bishop Harmon Diaphragm Test, for determining the presence or absence of binocular vision, for exercising in squint-eye, for detecting malingerers, for demonstrating phenomena connected with the perception and suppression of images . . . . . .

4478 Herbert's Ocular Muscle Test, consisting of a black background with a cross of white dots and a central illuminated aperture, for determining quickly the amount of muscular imbalance, lateral or vertical. Complete with switch attachment plug and 6 feet of connecting wire . . . . . .
Extra Wire, per foot . . . . . .
Indicating Switch . . . . . .

4480 Stereoscopic Charts, Kroll's . . . . . .

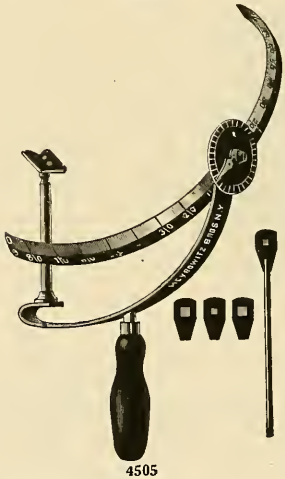
4482 Stereoscopic Charts, Wells', third enlarged edition. This is the most complete set and consists of a selection of the best charts from the sets of Kroll, Dahlfeld, Hale and Javal, together with interesting color charts and original charts by Dr. Wells. With directions . . . . . .

4485 Plain Folding Stereoscopes, for muscle exercise . . . . . .

Perimeters and Accessories

4500

4502



4505

4500 Walker's Color Objects for Perimeter . . . . . .

These test objects are double ended, each showing four colors. Protected by knife edge retaining rims and made in seven sizes designated according to area, not diameter. Smallest size 1/64 sq. cm. and the largest size 16 sq. cm.

4502 Walker's Color Interchanger and Interlacer . . . . . .

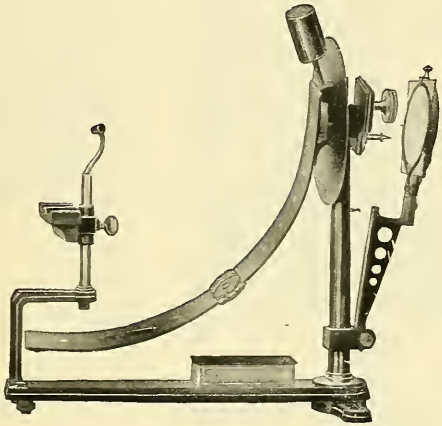
The movable rod operated by means of the thumb ring carries at its extremity a rimless white disk and farther back the colors red, blue and green, which pass before a circular window one at a time, stops insuring proper centering. The instrument is readily taken apart for renewing disks.

The advantages are that the entire eight readings for a full form and color field may be taken, checked and rechecked, and throughout the examination it is not necessary to change one's position to the right or left as the measurements may be made with one hand and recorded with the other and without interruption.

4505 Schweigger's Hand Perimeter . . . . . .

A portable perimeter of the arc type with handle and hard rubber eye rest, as shown in illustration. The instrument is carefully made and the scale divisions are accurate. Complete with color objects, handle and charts.

Perimeters



4512

4510

4510 Meyrowitz Standard Perimeter . . . . . .

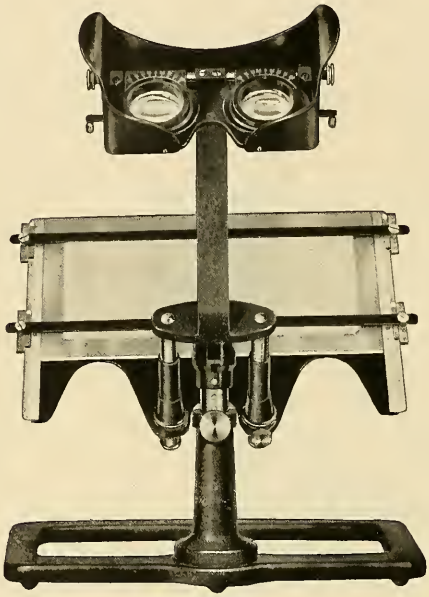
In this Perimeter the chart moves with the arc. The figures on the arc, as well as on the stationary scale, are white on one side and red on the other. This makes the Perimeter self registering as to axis and the bi-color scale locates the object in the proper quadrant.

The instrument is supplied with a raising and lowering chin rest, adjustable for either eye. Each Perimeter is supplied with five color buttons, a color button carrier, 25 charts and registering needle.

4512 McHardy Self Registering Perimeter, new model, with roller cord guides .

4513 McHardy Self Register Electric Perimeter, new model, with Dr. Black's translucent colors and also regular daylight test . . . . .

Lloyd Stereoscopic Campimeter



4535

4535 Lloyd Stereoscopic Campimeter, including large slate and object carriers .

This instrument consists of a wide angle stereoscope properly mounted with reference to a campimeter slate on a table base.

The stereoscope is employed to secure fixation through the employment of the other eye when the eye under examination has its macular area involved.

The slate covers a field measuring 11 degrees internally, 25 degrees above and below and 35 degrees externally.

Each instrument is supplied with a 1.5 mm. and a 3 mm. color carrier for use as test objects. These are double ended and each carries four colors.

Adjustments are provided for varying the interpupillary distance and for correcting hyperphoria if present.

The diagram is printed in soft colors on a slate surface on which the limits of the field may be marked with crayon of a color corresponding to the color of the object used. In using this method, the form and color fields may be taken at one sitting and transferred to the record card at the conclusion of the examination.

The slate may be removed and the stereoscope used for muscle training and testing with Wells' and similar charts.

4537 Record Charts for above, per hundred . . . . . .

Campimeters - Tangent Screens

4520

4520 Peter's Campimeter .

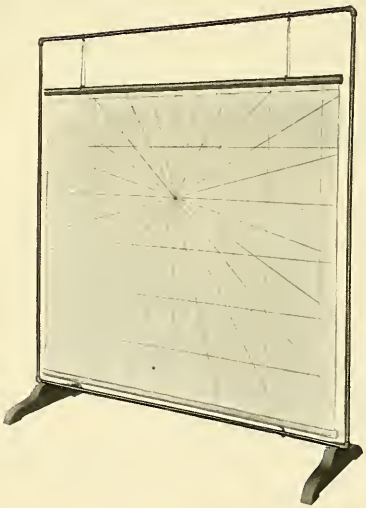
Consisting of a finely drawn perimetric chart on a slate surface, includes the area within forty degrees of the center, and is intended for exploring the central field. Limitations can be marked on the slate surface in actual colors by means of crayons and transferred to the record when the examination is complete. Being portable can be used where the best light is obtainable. Is dismountable and then contained in a box measuring 14 x 14 x 1 inches supplied with the instrument. Complete with two double color carriers, (eight color objects) and charts.

4525 Bjerrum Screen .

For mapping out with the greatest accuracy color fields, all varieties of scotoma, blind spots and enlargement, and fields of single and double vision in muscular paralysis.

Consists of a screen or chart approximately five feet square and mounted on a stand permitting its being raised to the proper height. The side of screen presented to the patient is black. The reverse side white, with a scale drawn on it as shown in the illustration. Ordinary color objects are used and the limitations marked by pins which project through on the scale side giving a very correct outline.

The surface of the screen is actually a tangent. Charts for this tangent plane at 30 and 60 inches are supplied with the screen.



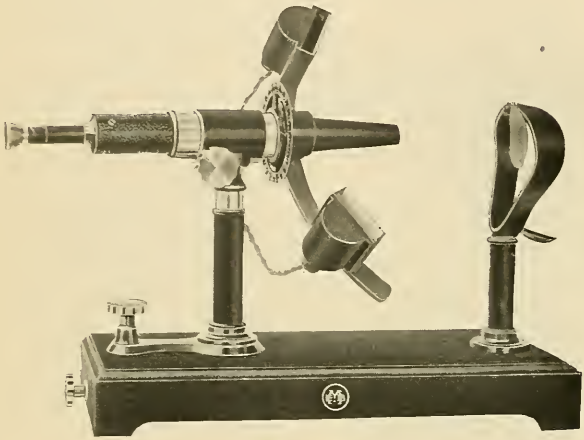
4525

4530 Haitz' Charts for Stereoscopic Campimetry . .

These charts are used with stereoscopes for mapping out central and paracentral defects. Their use is based on employing the good eye to fix with. The set consists of seven cards, two large or campimeter cards and five smaller cards with fixation points of white (2), green, red and blue. Charts are intended to be employed in the ordinary stereoscopes.

Ophthalmometer

MEYROWITZ MODEL OF 1920



4550

4550 Meyrowitz-Javal-Schiötz Ophthalmometer 1920 . .

The 1920 Model Ophthalmometer here shown is the latest one of a series of Meyrowitz Ophthalmometers started in 1889 and favorably known for their optical accuracy and mechanical excellence.

The optical system is strictly according to Javal and contains Wollaston bi-refringent quartz prisms. Our thirty years' experience in building Ophthalmometers insures the accuracy of this, our latest model.

All the practical improvements that have been suggested in the past are incorporated in this instrument. The design is simplified so the instrument consists of fewer parts and is operated with the greatest facility. The large dial has been omitted, giving the operator an unobstructed view of the patient's eye and making it much easier to level and point the instrument.

The instrument is mounted on a beautifully finished mahogany base. The metal parts are finely finished in baked-on Japan.

The instrument is regularly supplied for the 110 volt current but can be supplied for the 220 volt current when so ordered.

Circular giving further details will be sent on request.

4552

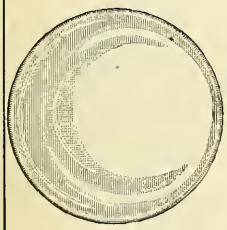
4552 Ophthalmometer Table . . . .

Adjustable for height by means of hand wheel. This table can be adjusted with practically any load with very little effort and because of the location of the wheel—without bending over. Practically indispensable for use with Ophthalmometer and a practical stand for perimeters, etc.

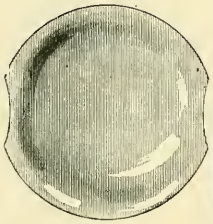
4554 Operator's Stool for Ophthalmometer. Oak seat, Japanned metal base, adjustable for height . . . . . .

4556 Patient's Chair. Similar to above, except that it is provided with an adjustable back

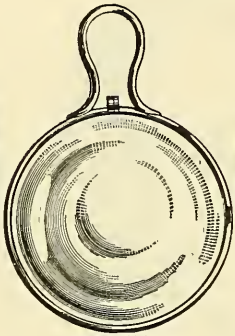
Condensing Lenses—Illuminators



4600-4601

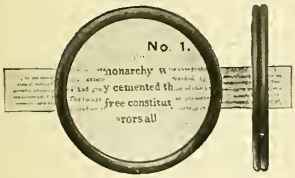


4602-4603



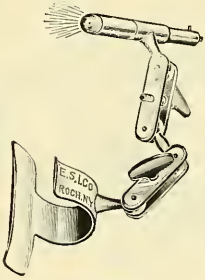
4604-4605

4606-4607

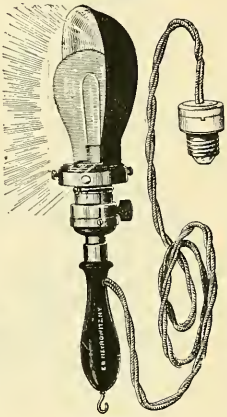


4608

4609-4611



4615

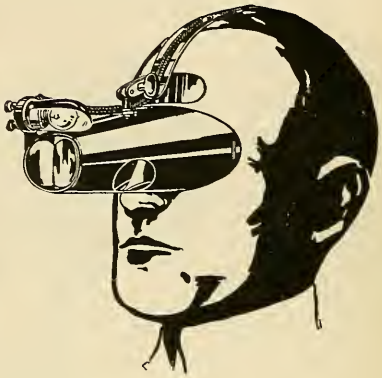


4620

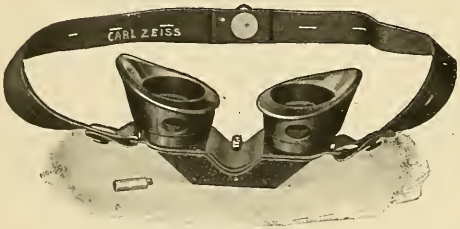
4600 Condensing Lens, rimless 13 diopters . . . . . .
4601 " " " 16 " . . . . . .
4602 " " with ground notches for fingers, 13 diopters . . .
4603 " " " " " " 16 " . . .
4604 " " in metal rim with handle, 13 diopters . . . .
4605 " " " " " " " 16 " . . . .
4606 " " " broad hard rubber rim 13 and 16 diopters . . .
4607 " " " " " " " 20 " . . .
4608 " " bifocal. This process produces a very thin lens. The central portion has a focus of 16 diopters. The outer portion 10 diopters.
4609 Condensing Lens in removable metal ring 13 diopters . . . .
4610 " " " " " " 16 " . . . .
4611 " " " " " " 20 " . . . .
4615 Carroll Finger Light. A split ring holds this firmly on one of the fingers, leaving both hands free for holding the lens and for instrumentation in the removal of foreign bodies. The lamp is adjustable to any position.
4620 Hand Operating Lamp, consists of a handle, socket, lamp shade, connecting wire and attachment plug with 40 watt tungsten lamp . . . .
4621 With special concentrated filament lamp . . . . . .

Binocular Loupes

4642



4644



4650

4640 Berger Loupe, with silk headband, (not illustrated) . . . .

The Berger Loupe consists of an aluminum hood finished in black, carrying at its distal end two prismatic lenses assembled at the proper angle. Objects viewed through this loupe are not only magnified, but are seen stereoscopically, that is they have depth. It is invaluable when removing foreign bodies from the eyes, as the size of the object as well as its penetration are easily determined from the differences in level seen in the magnified image.

4642 Berger Loupe, with metal headband . . . . . .

Same as above with a metal headband which is recommended as being more comfortable and practical when eyeglasses or spectacles are worn.

4644 Berger Loupe, with metal headband and illuminating attachment . . .

Same as above with the addition of the illuminating attachment which fully illuminates the visual field. This loupe may be operated from our pocket battery, making it possible to examine the eye or remove foreign bodies from the eye anywhere, irrespective of the conditions and light.

4650 Bausch & Lomb-Zeiss Loupe . . . . . .

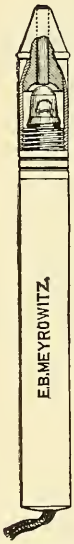
This Loupe gives a magnified stereoscopic picture. It is recommended where lengthy examinations or continual use is necessary, as it is somewhat less fatiguing to the eyes. The stereoscopic picture is similar in effect to the Berger Loupe.

4651 Bausch & Lomb-Zeiss Binocular Loupe with electrical illuminating attachment

Operating Lamps—Transilluminators

4660

4662



4665

4667

4660 Meyrowitz Operating Lamp. Produces a brilliant, colorless and absolutely uniform spot of light, comparable to condensed sunlight; there are no shadows or even suggestions of the image of the lamp filament. Mounted on a substantially made raising and lowering floor stand, the upper member of which is swivelled to permit the light being trained in any direction . .

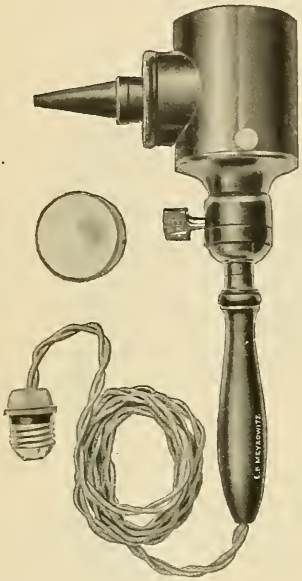
4662 Meyrowitz Operating Lamp, on ceiling bracket, similar to above, supplied with ceiling fixture for permanent installation in hospitals and operating rooms; adjustable for height with two 4 foot arms giving the extreme range of 8 feet (estimates on fixtures of different measurement given) . . .

4665 Wurdeman Transilluminator, cord handle, two lamps . . . . .

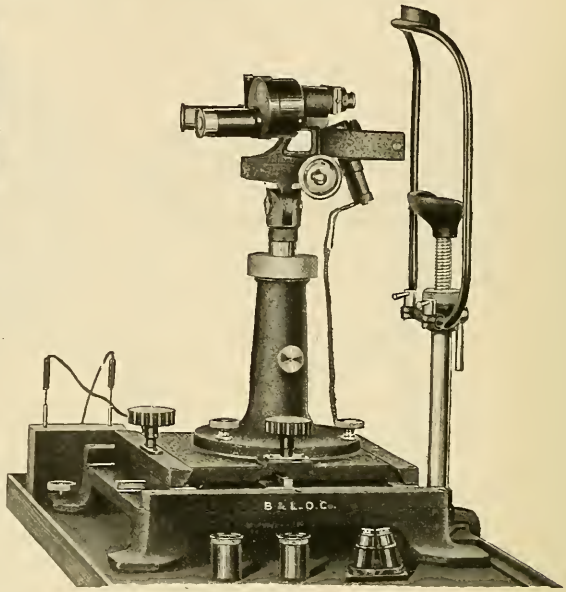
4666 Wurdeman Tip only interchangeable on Ophthalmoscope No. 4430 . .

4667 Transilluminator, bayonet cord attachment . . . . . .

Corneal Microscope—Transilluminator



4668



4670

4668 Sachs Ocular Transilluminator with extra operating lens attachment . .

This exceptionally powerful Transilluminator consists principally of a metal hood containing a powerful electric lamp silvered at the back to increase the projected illumination. Removably attached to this hood is a hard rubber covered solid glass cone; because of the non-conductivity of the material in the cone, its small end may be placed in actual contact with the sclera without danger of burning.

Interchangeable with the glass cone is a plus 18D lens which converts the Transilluminator into a powerful hand operating lamp.

4670 Binocular Microscope for corneal observation . . . . . .

This microscope is designed especially for corneal observation in which the stereoscopic effect permits simultaneous observation of both the superficial and deeper lying tissues.

The cornea under binocular stereoscopic vision may be examined with much greater ease and certainty.

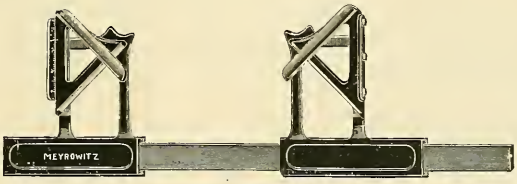
The instrument consists of two separate independent telescopes with Porro prisms, adjustably joined together to permit variation of interpupillary distances. The column supporting the instrument is mounted on a compound slide with lateral and to-and-fro adjustment. The instrument itself is joined to the column by means of a Universal joint offering a wide latitude of adjustment and an additional rack and pinion under the microscope is very convenient for focusing.

An illuminating device is provided which consists of a metal arc with a sliding electric lamp and lens system. The cornea may be illuminated directly or from any angle.

Price includes instrument as illustrated with illuminating attachment, two pairs of objectives, 55 and 40 millimeters respectively, two pairs of eye pieces, 6.4, 10, three extra lamps and connecting cord, chin rest and head rest in wooden case.

Paired Objectives, 55 and 48 millimeter focus, each extra . . . . . .
" " 40, 32 and 24 millimeters, each extra . . . . . .
" Eye Pieces with magnification of 5, 6.4 7.5, 10, and 12.5, each extra . . .

Miscellaneous



4700

4700 Hertel Ex-ophthalmometer . . . . . .

This is an instrument for measuring exophthalmia with accuracy and rapidity, and useful in determining the progress of such protrusion in cases of intraorbital tumor, goitre, foreign bodies and retrobulbar hemorrhage.

The instrument resembles a sliding rule, each member being provided with a scale reading 0 to 30 millimeters and two mirrors mounted at right angles and one above the other. When the instrument is in position, with the two outer points in contact with orbital margins the profile of the cornea is seen in one mirror and scale in the other. The scale reading directly above the corneal image gives its protrusion in millimeters. Readings are made of one eye at a time. The instrument is exceedingly simple to employ, and the method is one of great exactitude.

The separation of the two members is shown on the slide. All measurements of the same case must be made with the members separated to the same reading on the sliding scale.

4710

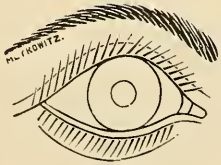
4710 Wesseley Keratometer . . . . . .

This instrument is used to measure quickly and accurately the diameter of the cornea or the diameter of the pupil. It may also be used for measuring the distance between the apex of the cornea and the vertex of the spectacle lens.

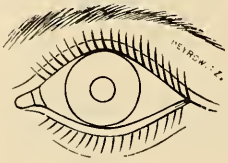
The observer looks through the metal disc indicated by No. 1, the hard rubber eyepiece No. 3 resting on the orbital margin of the patient.

The observer sees a scale and the eye of the patient sharply defined to permit direct reading with precision.

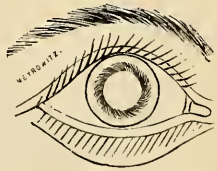
Rubber Stamps



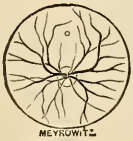
4750



4752



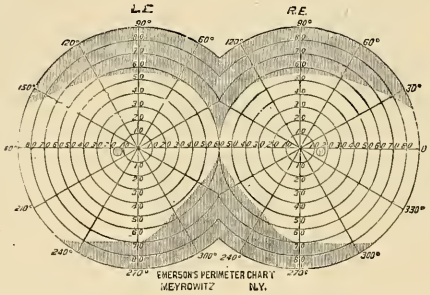
4754



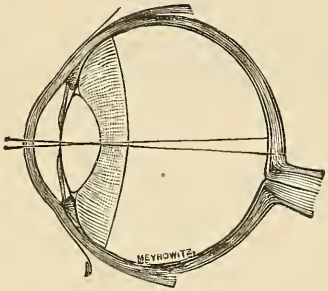
4756

RIGHT EYE.			LEFT EYE.		
SPH.	CYL.	AXIS.	SPH.	CYL.	AXIS.

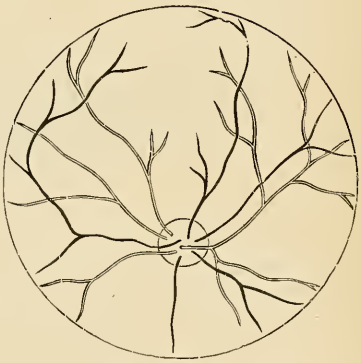
4760



4758



4762

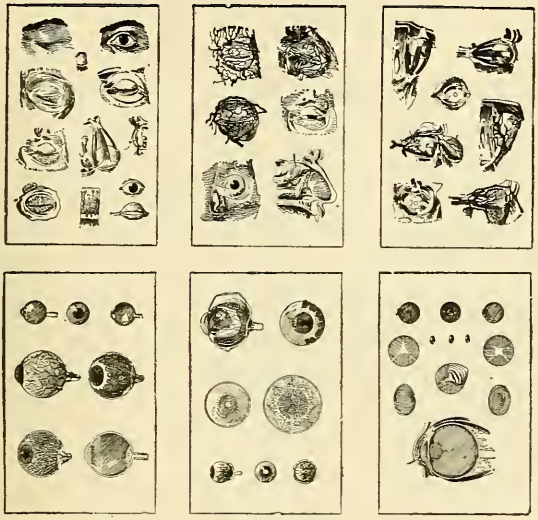


4764

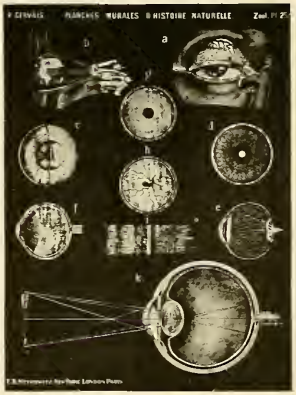
4750 to 4756 . . . . . 4758 to 4764 . . . . .

These stamps are of the exact size and outline as illustrated. Mounted with rubber cushions, to secure good impressions, on wooden blocks with handles.

Charts



4800

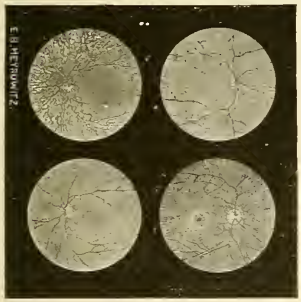


4802

4800 Hirschfeld's Set of Eye Charts, with text . . . . . .
Consists of 6 finely lithographed plates illustrating the anatomy and physiology of the eye very completely.

4802 Gervais Chart of the Eye, 27x36 inches . . . . . .
This is an important chart of first quality.

4804 Head's Fundus Charts, by Arthur Head, F. Z. S. .



4804

This chart shows four normal fundi of different types, as follows:

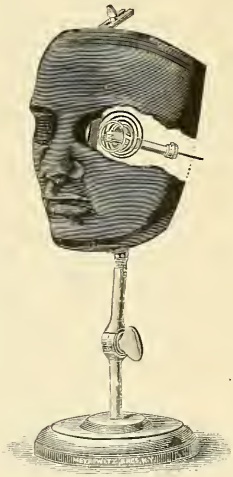
Figure I-L.E. Albino, white hair, irides light gray and translucent.

Figure II-L.E. Ordinary Caucasian, brown hair, dark-gray eyes.

Figure III-R.E. Ordinary Caucasian, very fair-haired, irides gray.

Figure IV-R.E. Dark Caucasian, dark brown hair, irides very dark brown.

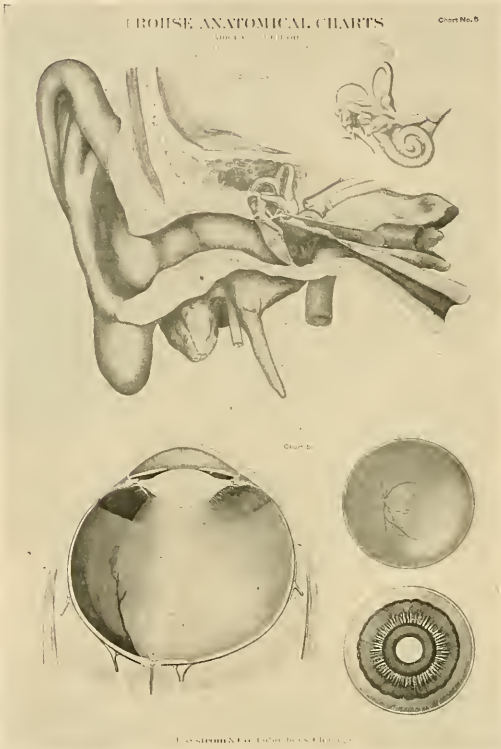
These charts are finely executed in colors true to life and are considered very accurate representations of the types they depict.



4810–4811

4810 Phantom Face, Waldau's, for practicing operations on animals' eyes, two eyes . . . .
4811 Phantom Face, Waldau's, single eye . . .

Chart of Eye and Ear



4812-4817

4812 Chart of Eye only, greatly magnified. Showing horizontal and two equatorial sections. On dust proof spring roller board . . . . . .

4813 With plain rollers top and bottom . . . . . .

4814 Chart of Ear Only, greatly magnified. Frontal section through external auditory meatus, continued obliquely with a lateral and dorsal direction. On dust proof spring roller board . . . . . .

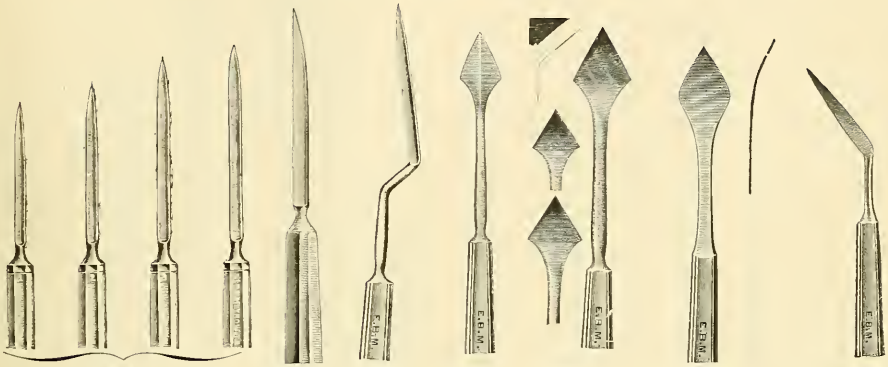
4815 With plain roller at top and bottom . . . . . .

4816 Combined Chart of Eye and Ear as illustrated. On dust proof spring roller board . . . . . .

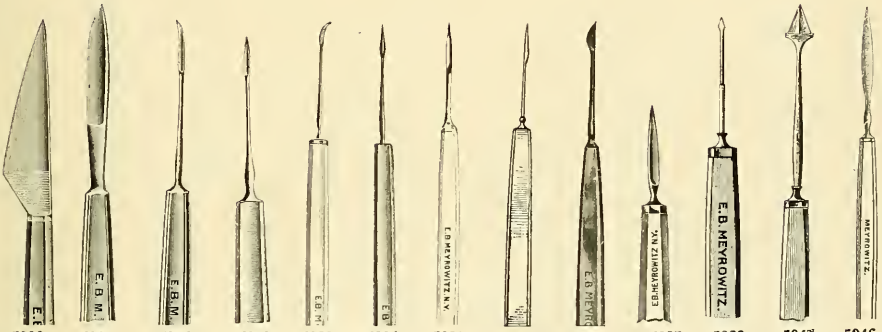
4817 With plain rollers at top and bottom . . . . . .

All of the above charts have a durable muslin backing and will with ordinary care last a lifetime.

Eye Instruments



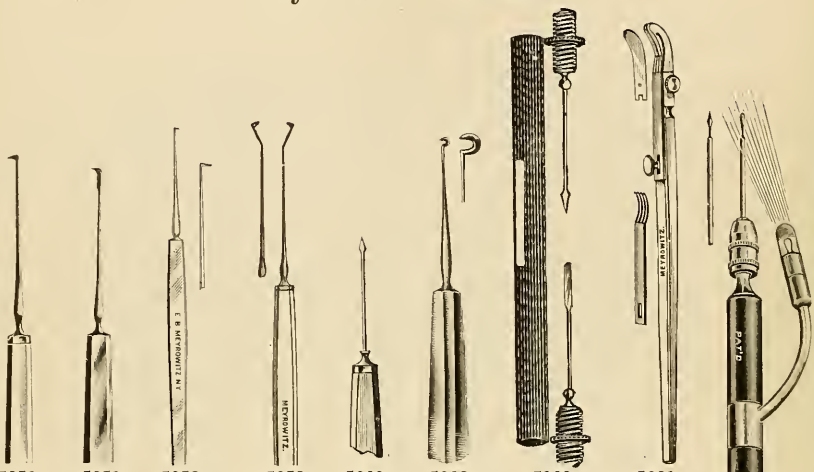
5000 5003 5005 5010 5012 5016 5017

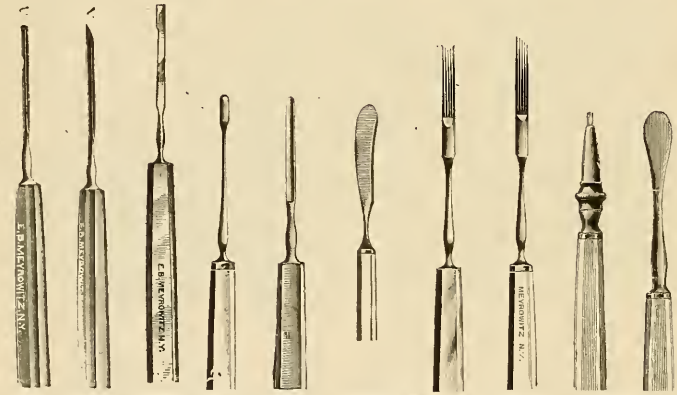


5020 5022 5025 5030 5032 5034 5033 5035 5036 5037 5038 5045 5046

5000 Cataract Knives, Graefe's, 4 sizes, various widths, each . . . . . .
5001 Cataract Knives, Weiss, London . .
5002 " " Luer, Paris . . .
5003 " " Green's, 2 lengths, each
5004 " Knife, Jackson's . . . .
5005 " " angular (to order) .
5010 Keratomes, Jaeger's, straight, 3 sizes, each
5012 " " angular, 3 sizes, each
5014 " angular, Weiss, London . .
5015 " " Luer, Paris . .
5016 " Landolt's, curved . . .
5017 " Agnew's, angular . . .
5020 Beer's Knives, 3 sizes, each . . .
5022 Scalpels, 3 sizes, each . . . .
5024 Iris Knives, straight . . . .
5025 " " curved . . . . .
5030 Knife Needles, Knapp's, 3 sizes, each .
5032 " " Weeks' . . . .
5033 " " Risley's . . . .
5034 " " Hays' . . . .
5035 " " Ziegler's, 3 sizes . .
5036 " " Post's . . . .
5037 " " Wheeler's . . . .
5038 " " Beer's, with stop . .
5045 Paracentesis Needle, with stop . . .
5046 " " broad . . .

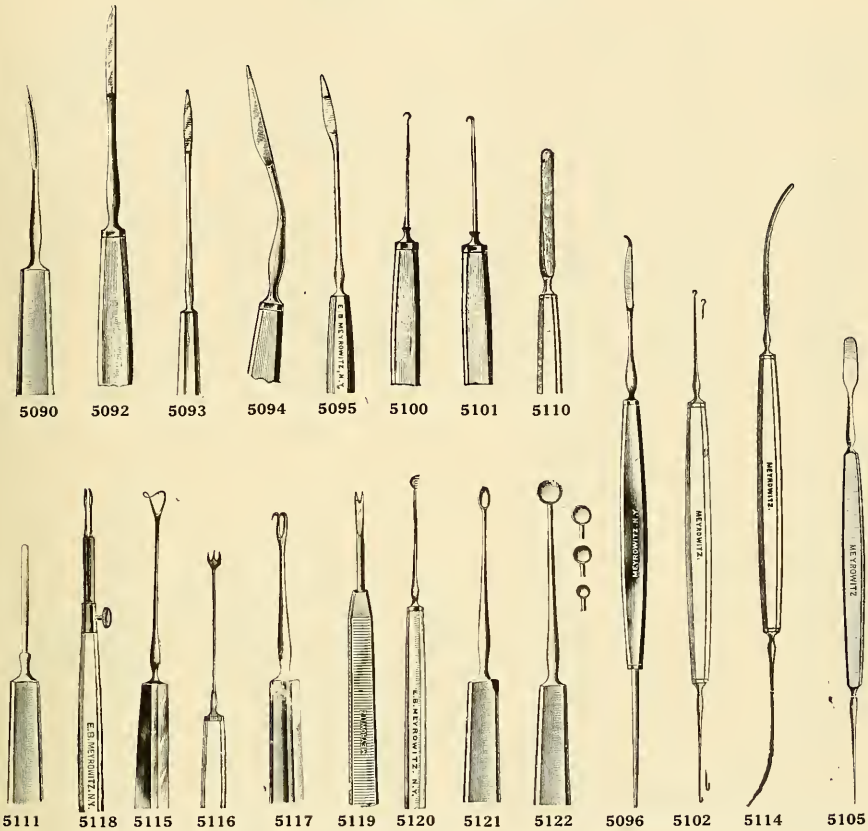
Eye Instruments





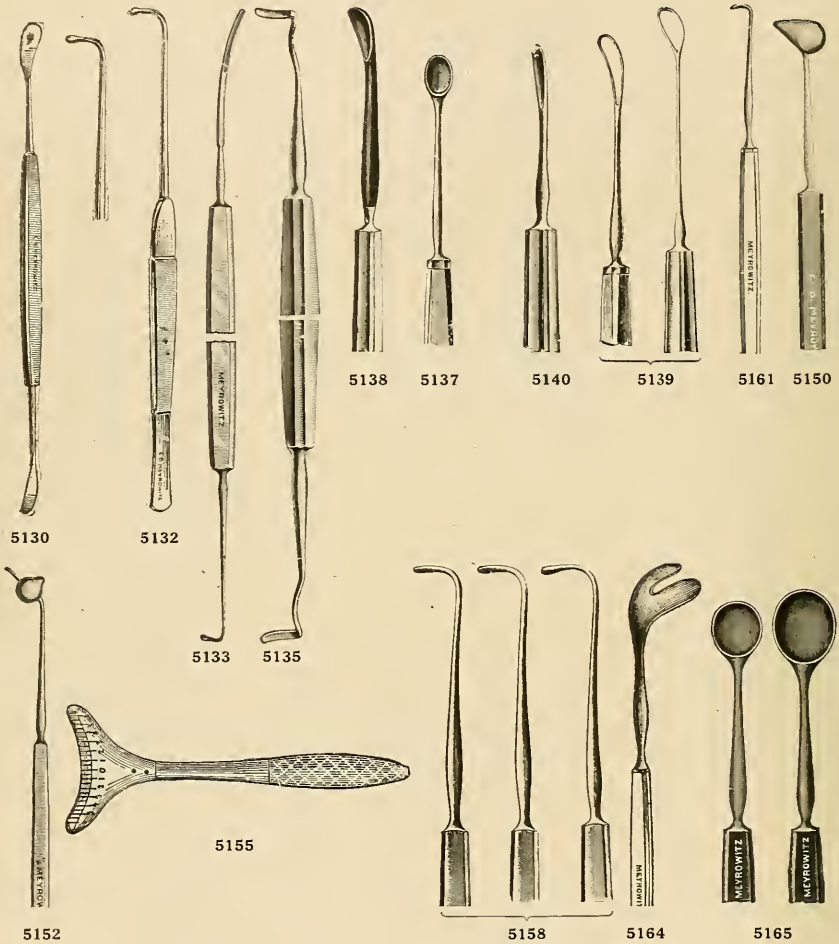
5050 Cystotomes, Graefe's . . . . .
5051 " Knapp's . . . . .
5052 " Needle, Valk's . . . .
5053 " angular, flexible shank . .
5056 Cystotome and Spoon, one handle . .
5060 Foreign-body Needle, straight . . .
5061 " " curved . . . .
5062 " " and Curette, Wheeler's . . . . . .
5063 Foreign-body Gouge, curved . . . .
5064 " " V-shaped, pointed .
5065 " Knife Spud, Saril's . . .
5066 " Spud, Dix's . . .
5067 Foreign-body Spud, plain . . . . .
5068 " " and Needle with protecting handle . . . . . .
5070 Illuminated Foreign-body Spud with interchangeable sharp and dull spud points without cords . . . .
5071 Connecting Cord for above . . .
5080 Scarifier, Desmarre's . . . .
5081 " Week's, adjustable 3 blade .
5085 Tattooing Needle, straight edge . .
5086 " " angular " . .
5087 Tattooing Needle and Spatula, Baeder's .

Eye Instruments



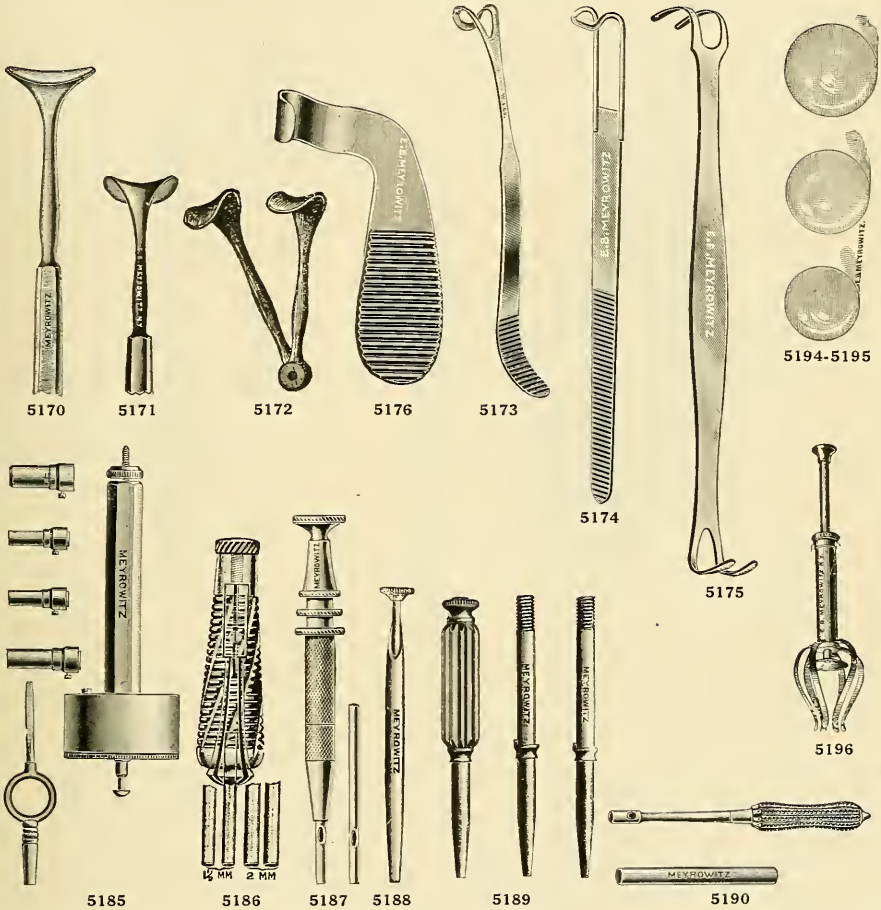
5090 Canaliculus Knife. Weber's, curved, probe point . . . . . .
5091 Canaliculus Knife, Weber's, straight .
5092 " " Noyes-Stiiiing's . .
5093 " " Bowman's flexible shank . . . . . .
5094 Canaliculus Knife, Liebreich's . . .
5095 " " Thomas' . . .
5096 " " and Conical Probe. Landolt's . . . . . .
5100 Iris Hook, Tyrrel's, sharp . . .
5101 " " " dull . . . .
5102 " Hooks, blunt and sharp, one handle .
5105 Spatula and Needle, Fisher's . . .
5110 Iris Repositor, shell . . . .
5111 " " metal . . . .
5114 " " and Probe, Knapp's, one handle . . . . . .
5115 Iris Retractor, Graefe's . . . .
5116 Ophthalmostate, three-point . . .
5117 " double hook . . .
5118 Double Fixation Needle, Buller's . .
5119 Fixation Hook, double, Wells' . . .
5120 Chalazion Curette, Skeel's, serrated . .
5121 " " Hebra's . . .
5122 " " Meyhoefer's, three sizes . . . . . .

Eye Instruments



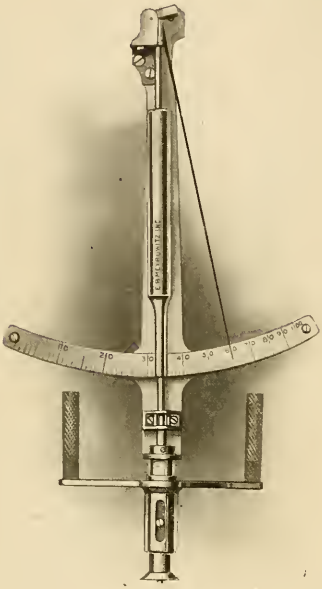
5130 Double Spatula, Smith's . . . . .
5132 Pressure Hook, Smith's . . . . .
5133 Hook and Repositor for Smith Operation, Green's . . . . . .
5135 Double Hook, Savage . . . . .
5137 Lens Spoon, metal . . . . . .
5138 " " shell . . . . . .
5139 " " wire loop, 2 sizes . . . .
5140 Lens Spoon, Daviel's . . . . .
5150 Eye Cautery, Prince . . . . .
5152 " " Todd-Woodworth . .
5155 Strabismometer, Ivory . . . . .
5158 Strabismus Hooks, 3 sizes . . . .
5161 Tenotomy Hook, Stevens' . . . .
5164 Evisceration Spoon, Well's . . . .
5165 " " Bunge's, two sizes .

Eye Instruments



5170 Lid Retractor, Ziegler's, two sizes . . .
5171 " " Desmarre's, three sizes
5172 " " two sizes, jointed . .
5173 " " Fisher's, original model .
5174 " " " lower lid . .
5175 " " " double hook, latest . . . . . .
5176 Lid Evertor, Walker's . . . . .
5185 Corneal Trephine, Von Hippel . .
5186 Scleral Trephine, Elliott's latest with 1½ and 2 mm. blades . . . .
5187 Scleral Trephine, Cross, with rotating cap handle . . . . .
5188 Scleral Trephine, Bowman or Fergus, 1½ and 2 mm. . . . . .
5189 Scleral Trephine, Stephenson's, 3 sizes . . . . . .
5190 Scleral Trephine, Ziegler's . . . .
5194 Mule's Glass Spheres, for implantation .
5195 " Spheres, gold, to order . . .
5196 Carter's Introducer for above . . .

Eye Instruments



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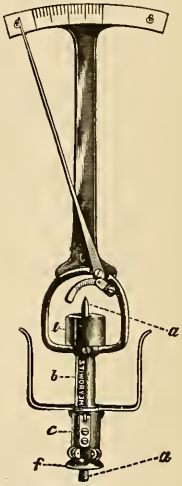


5201

5200 McLean Tonometer . . . . . .

The McLean Tonometer is a direct reading instrument. It is not necessary to refer to a chart or other data to get a true reading of the pressure in millimeters of mercury.

The weight factor is constant. All the intra-ocular pressures (10 to 130 mm. of Hg.) are obtained with one weight.

Anti-friction devices are employed wherever friction might cause a "drag" and affect the indication.

Sufficient clearance is allowed between the plunger and foot-plate to prevent any capillary attraction of fluids remaining on the cornea when the instrument is applied.

The scale is placed at the lower part of the instrument near the foot-plate or point of application. This permits the instrument to be applied, maintained in proper position, and read by one man much more conveniently than any other instrument.

This instrument is calibrated from manometer pressures, and in a way that exhaustive tests have proved absolutely accurate. The method of calibration has been approved by several prominent physicists and oculists in many tests on enucleated human and pigs' eyes. In a few instances tests have been made on the living human eye *in situ,* where it has been possible to connect the eye to a manometer.

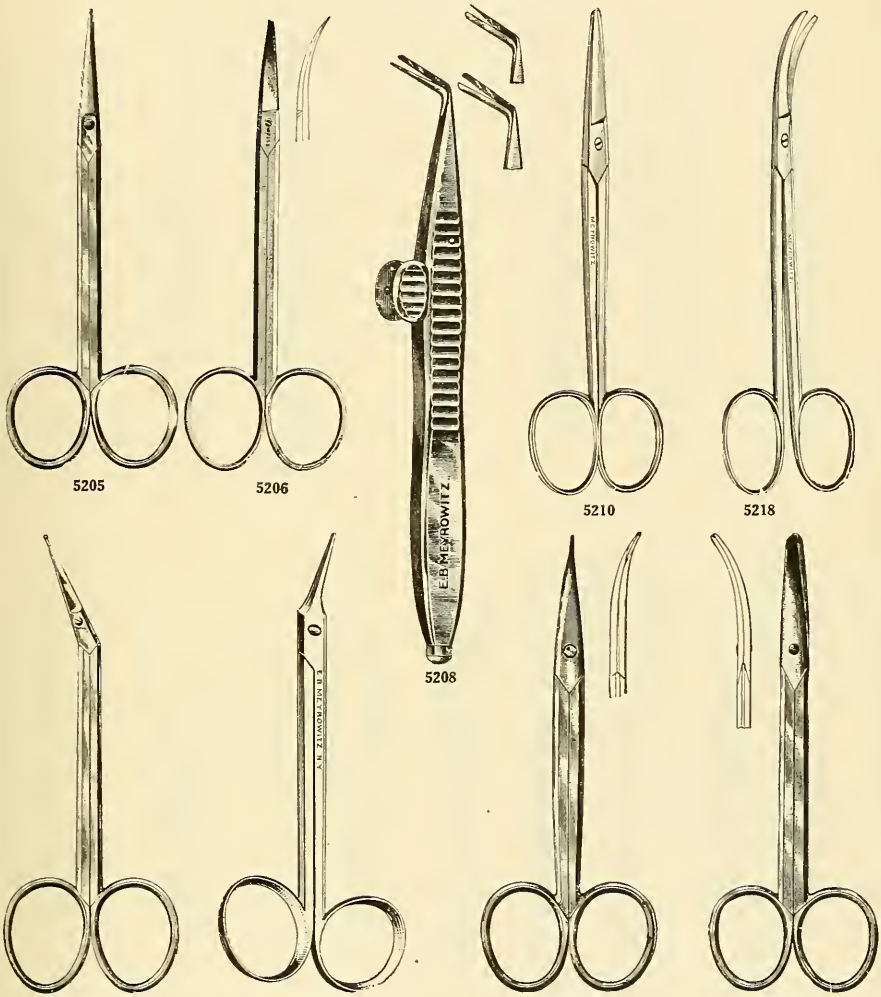
The workmanship and finish establish a new standard for tonometers, and are in accordance with the highly scientific character of the instrument. Each instrument is individually tested by Dr. McLean and is accompanied by a signed certificate of his approval.

By invitation, Dr. McLean read a paper on tonometry before the British Ophthalmological Society. Copies of reprint on request.

5201 Schiötz Tonometer . . . . . .

Complete in case with five weights, testing plate and scale of values which must be referred to in interpreting the readings of the instrument.

Eye Instruments



5205 Iris Scissors, sharp, straight . . .
5206 " " sharp point, curved . .
5207 " " angular, probe point . .
5208 " " de Wecker . . . .
5209 " " (also strabismus) humming bird bill model . . . .
5210 Strabismus Scissors, straight, light . .
5211 Strabismus Scissors, straight, stout . .
5212 " " curved . . .
5215 Tenotomy Scissors, Stevens' . . .
5218 Enucleation Scissors, light . . .
5219 " " heavy . . .
5220 " " heavy, special quality . . . . . .

Eye Instruments

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5224	Iris Scissors, reverse curve, Theobald's	5246	Iris Forceps, angular
5225	" " McClure's	5251	Capsule Forceps, Fisher's
5226	" " Liebreich's	5252	" " Knapp's
5227	" " Noyes'	5253	" " Smith's
5230	Tenotomy, Westcott's	5254	" " Hirschberg
5241	Iris Forceps, Fisher's	5255	" " Fuch's
5244	" " curved	5256	" " Terson's
5245	" " straight	5257	" " Kalt's

Eye Instruments

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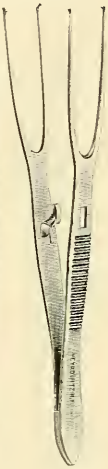
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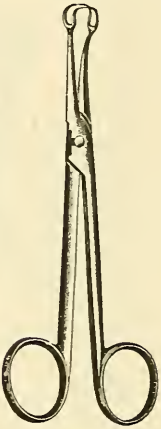
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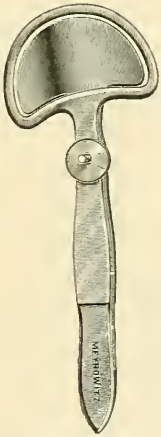
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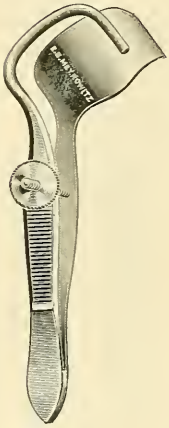
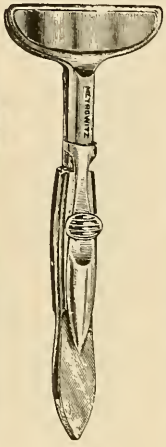

5296

5260	Capsule Punch, Stevenson's	5284	Cilia Forceps, plain
5270	Fixation Forceps, with catch	5285	" " selected
5271	" " without catch	5286	" " Allport's
5272	" " angular jaws	5287	" " Beaupre's
5273	" " Steven's, with catch	5295	Entropium Forceps, Desmarres'
5274	" " curved	5296	" " Snellen's right or left
5275	" " double, Holmes'	5297	Entropium Forceps, Duvigneaud's, right or left
5276	" " single teeth, Prince		
5280	Vulsellum Forceps		

Eye Instruments

5312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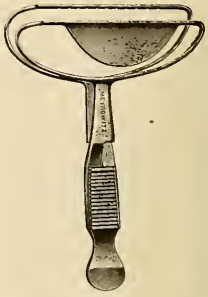
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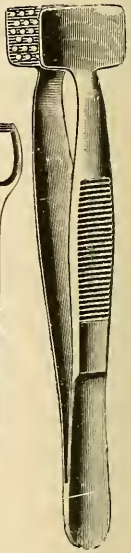
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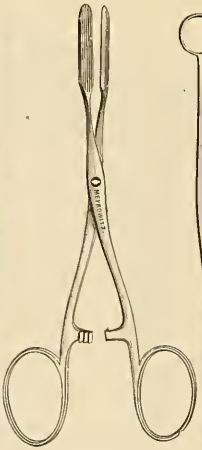
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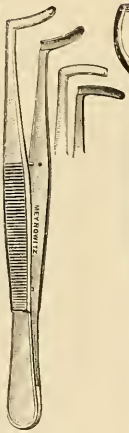
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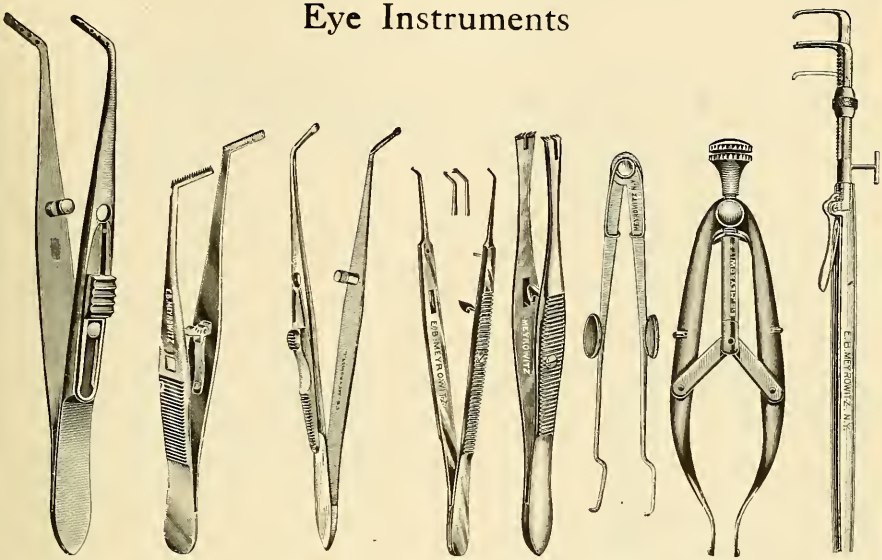
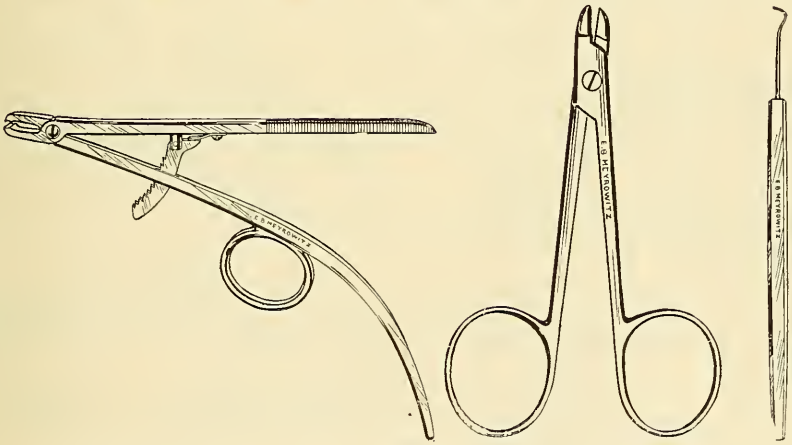
5298	Entropium Forceps, Ziegler's . . .	5312	Chalazion Forceps, Lambert's . . .
5299	" " rubber protected, Wilde's	5313	" " Ayer's . . .
		5314	" " Kipp's . . .
5300	Combination Entropium and Fixation Forceps, New York Eye and Ear model for removal of cartilage in old Trachoma cases	5320	Grattage " Ingall's . . .
		5321	" " Week's . . .
		5325	Trachoma " Prince . . .
		5326	" " Noyes' up or down .
5301	Entropium Forceps, Falta's . . .	5327	" " Knapp's roller . .
5302	" " Post's . . .	5328	" " Kuhnt's . . .

Eye Instruments



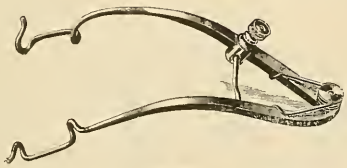
5335 5336 5337 5339 5340 5345 5346 5347



5355

5335 Advancement Forceps, Prince's . . .
5336 " " Reese's . .
5337 " " Worth's . .
5338 " " Hotz . . .
5339 " " Wootton's . .
5340 " " Week's . .
5345 Double Strabismus Hook, Valk's . .
5346 Tendon Tucker, Todd's . . . .
5347 Tendon Tucker, Clark's . . . .
5355 Tendon Shortening Set, Briggs. This set consists of a clamp forceps for applying the silver links, special hook for drawing the muscle through the link and a special cutting forceps for cutting the link.

Eye Instruments



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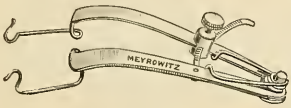

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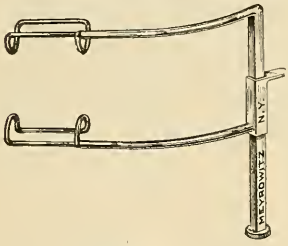

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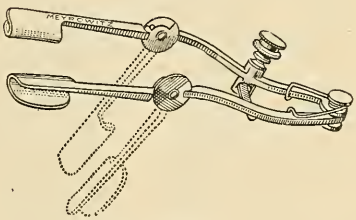

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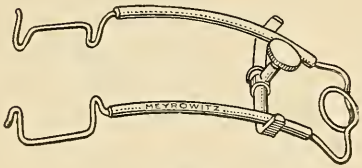

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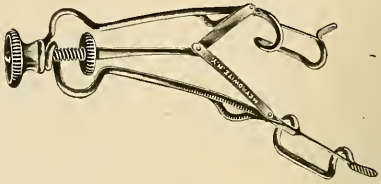

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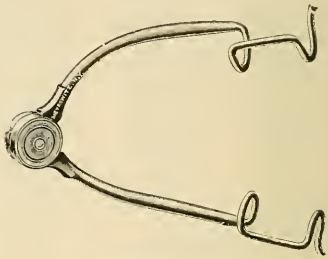

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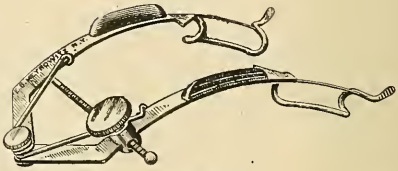

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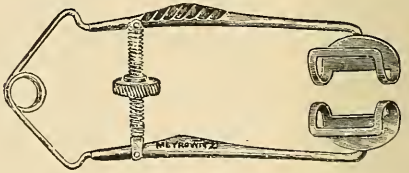
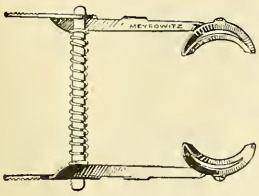


5377

5370 Eye Speculum, Fox's . . . . .
5371 " " Knapp's . . . .
5372 " " Murdoch's . . . . .
5373 " " Pana's . . . . .

5374 Eye Speculum, Noyes' . . . . .
5375 " " Major Smith's . . .
5376 " " Week's . . . . .
5377 " " Ziegler's self retaining .
5378 " " Universal . . . .

Eye Instruments



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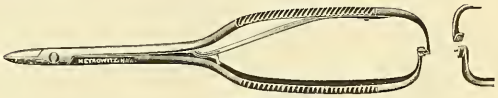

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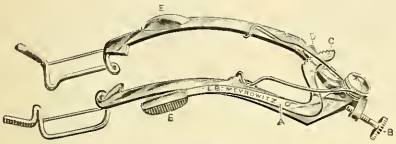

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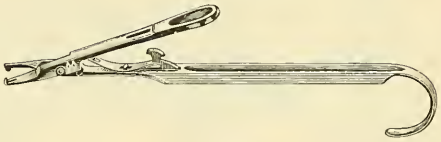

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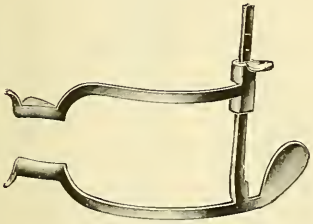

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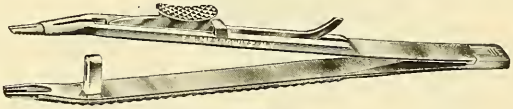

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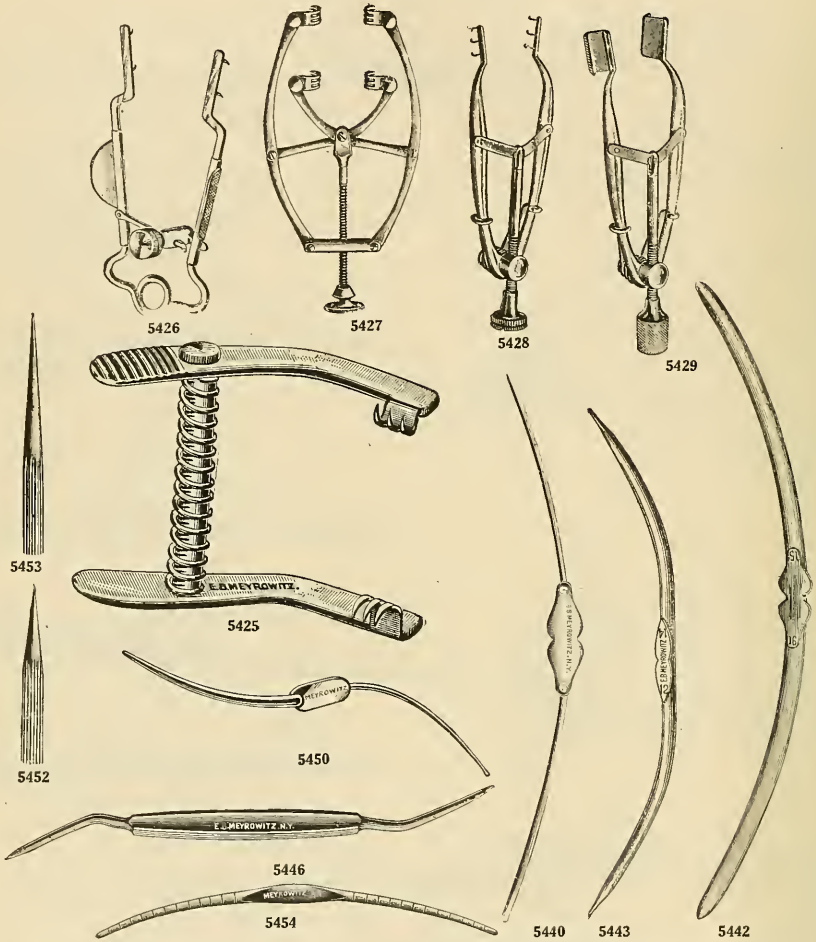
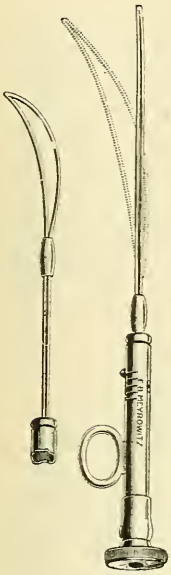
5379 Eye Speculum, Barndt's swivelled holders
5380 " " Skeel's with instantaneous release . . . . . .
5381 Eye Speculum, Monosmith's . . . .
5395 Needle Holder, Stevens' . . . . .
5396 " " Knapp's . . . . .
5397 " " Boynton's . . . . .
5398 Needle Holder, Richter's . . . . .
5399 " " Sand's . . . . .
5400 " " Bardsley's aseptible . .
5401 " " Stevenson's . . . .
5410 Suture Needle, Reverdin's pressure action
5411 " " " slide "

Eye Instruments



5425 Lachrymal Sac Retractor, Axenfeld's .
5426 " " " Muller's . .
5427 " " " Stephenson's .
5428 " " " Stevenson's .
5429 " " " " Improved . . . . . .
5440 Lachrymal Probes, Bowman's, conical, 8 sizes, plated or sterling . . .
5441 Lachrymal Probes, Williams' olivary end, 8 sizes, plated or sterling . . .
5442 Lachrymal Probes, Theobald's, 16 sizes, plated or sterling . . . . .
5443 Lachrymal Probe, supplementary, Theobald's plated . . . . .
5446 Lachrymal Dilator, Ziegler's . . .
5450 Punctum " Weber's Weiss' model . . . . . .
5452 Punctum Dilator, Wilder's, short taper . . . . . .
5453 Punctum Dilator, Wilder's, long taper . . . . . .
5454 Punctum Dilator, Weber's, graduated silver . . . . . .

Eye Instruments



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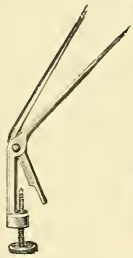

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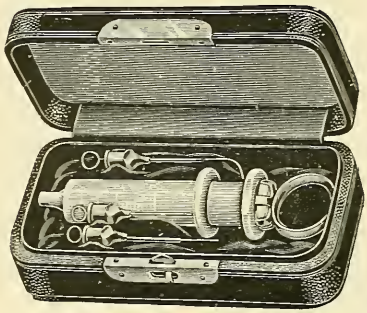

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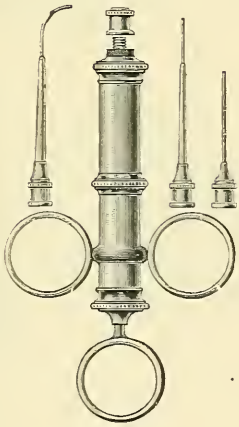

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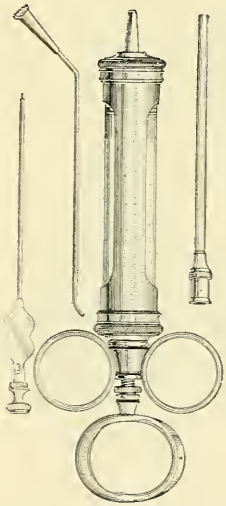


5473

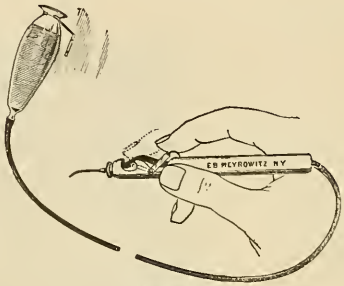
5460 Lachrymal Dilator, adjustable, Jervey's .
5461 " " Galezowsky's . .
5470 " Syringe, Anel's 3 gold tips .
5471 " " Kirkendall's gold needle, syringe gold plated . . .

5472 Lachrymal Syringe, all glass, 3 gold tips
5473 Lachrymal Syringe, de Wecker's, lachrymal tip, middle ear tip and straight ear tip . . . . . .
5478 Lachrymal Canulae Silver, to order . .
5479 " Styles " " " . .

Eye Instruments

5480

5481



5483-5484

5503

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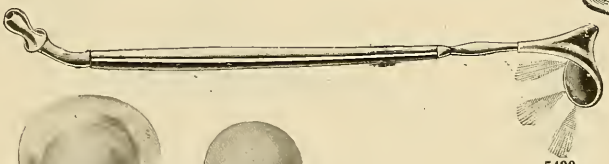

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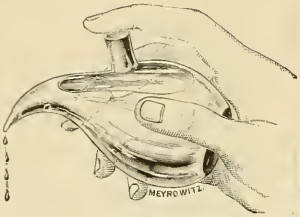


5488

5502

5480 Anterior Chamber Syringe N. Y. E and E pattern . . . . . .
5481 Anterior Chamber Syringe, Gibson's .
5483 " " " Lippincott's .
5484 " " " " with glass vessel and bracket . . .
5488 Eye Irrigator, Undine . . . . .
5489 Eye Bath . . . . . .
5490 Eye Irrigator, Lagrange's . . . .

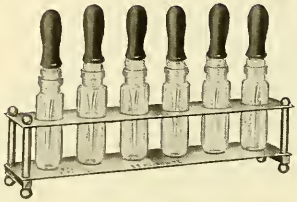
5494 Solution Bottle with irrigator and glass cover, Ziegler's, plain . . . . .
5495 Solution Bottle, engraved, "Boric Acid" .
5496 " " " "Normal Salt" .
5500 Eye Dropper Bottle 1 oz. square . .
5501 " " " " " round . .
5502 " " " ¼ " conical bottom, wood base . . . . . .
5503 Eye Dropper Bottle, new form . . .

Eye Instruments

5504

5505

5506



5510-5511-5512

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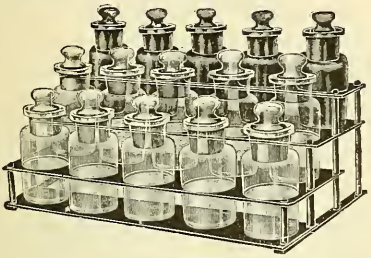

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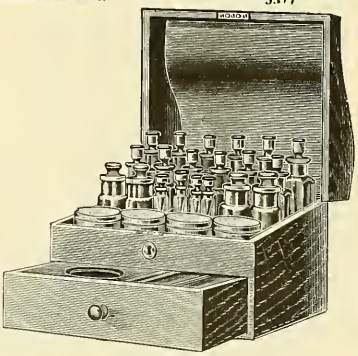

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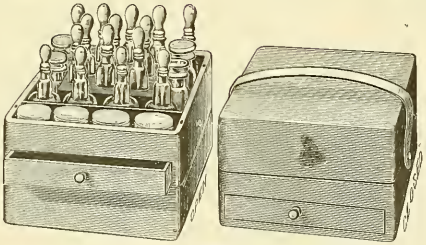
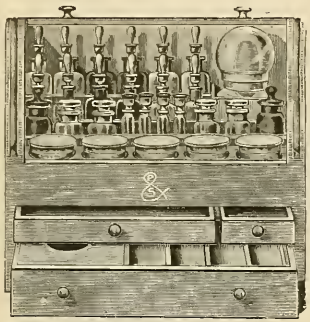


5526

5504 Eye Dropper bottle with glass foot . .
5505 " " especially well made and accurate with miniature rubber bulb
5506 Eye Dropper as above with bottle, in wooden container for patients' use
5510 Eye Dropper Bottle Set in metal rack, 4 bottles . . . . . .
5511 Eye Dropper Bottle Set in metal rack, 5 bottles . . . . . .
5512 Eye Dropper Bottle Set in metal rack, 6 bottles . . . . . .
5515 Set of 15 Bottles in metal rack .
5517 Beakettes, individual solution jars, blue, green, red, light blue, amber and white . . . . . .

5525 Treatment Set, mahogany, curved top with drawer . . . . . .
4 Ointment pots . . . . . .
12 1-oz. Droppers . . . . . .
3 ¼-oz. " . . . . . .
2 Saltmouths . . . . . .
1 Set labels . . . . . .
5526 Treatment Set, mahogany . . . .
10 1-oz. droppers . . . . . .
2¼ " " . . . . . .
2 Salt-mouth bottles . . . . . .
4 Ointment pots . . . . . .
1 Set labels . . . . . .

Eye Instruments



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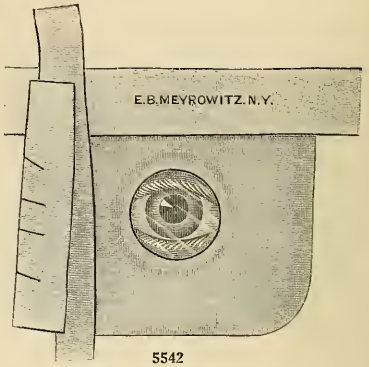

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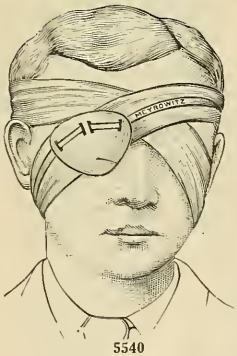

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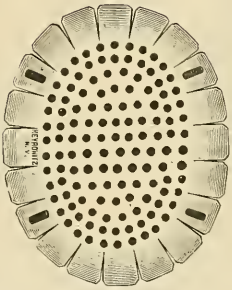

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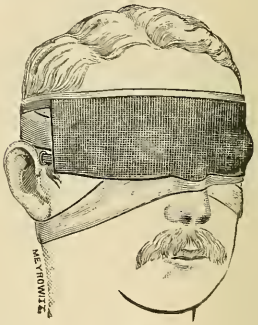

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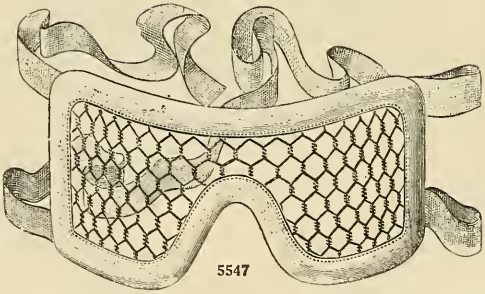


5547

5527 Treatment Case, mahogany, roll top with drawers . . . . . .
12 1-oz. droppers . . . . . .
4 ½-oz. dropper . . . . .
1 Boric acid bottle . . . . .
2 Ointment jars . . . . . .
1 Set labels . . . . . .

5540 Eye Shield, Andrews' aluminum . .

5541 " " Fox's, flexible, aluminum .

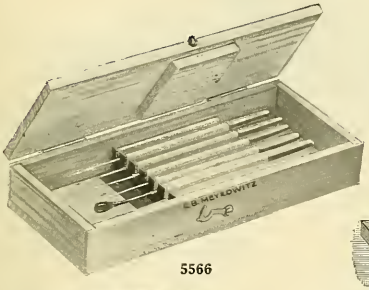
5542 Eye Shield, Buller's, for prevention of infection, with transparent window .

5545 Post Operative Masks, Ring's . . .

5546 " " " Fuchs' wire mesh, padded edges with tapes, one eye, right or left . . . . . .

5547 Post Operative Mask, Fuchs' as above, for both eyes.

Eye Instruments



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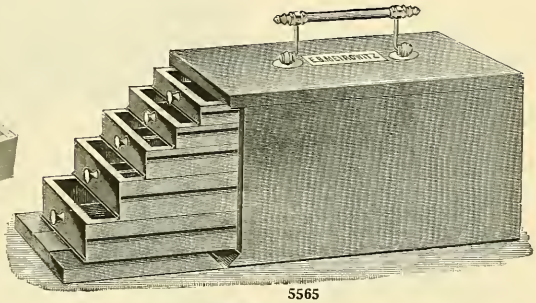

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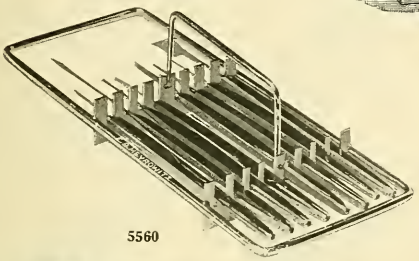

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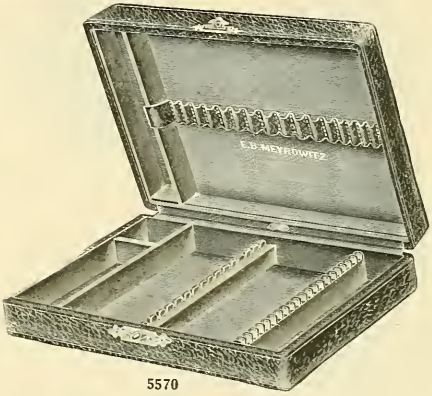

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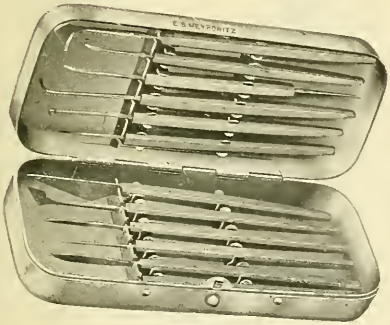

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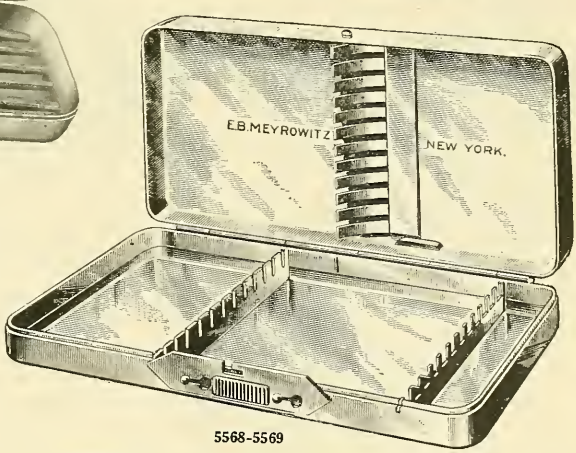


5568-5569

5560 Eye Instrument Rack with folding handle for sterilizing, 8 instruments

5564 Eye Instrument Case for 12 knives, entirely of metal with spring holders

5565 Eye Instrument Cabinet, Valk's, mahogany, 5 drawers, folding handle

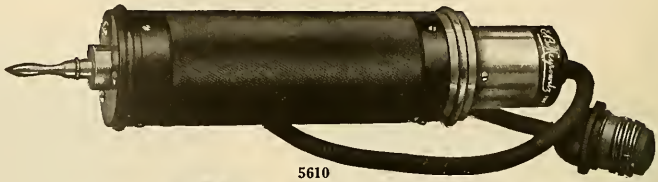
5566 Eye Instrument Box, long solid wood metal reinforced rack, hinged cover with catch. A very substantial container recommended for carrying and mailing

5568 Metal Case for 6 Knives, very substantial, springs and racks removable, sliding catch

5569 Metal Case, as above, for 12 knives

5570 Eye Instrument Cases, leather covered and lined, racks for knives, loops for scissors, forceps, etc.

Eye Instruments



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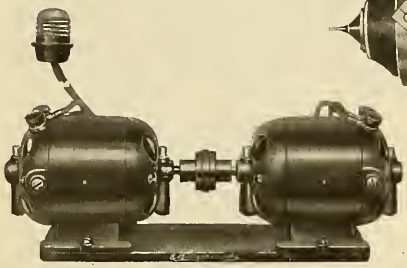

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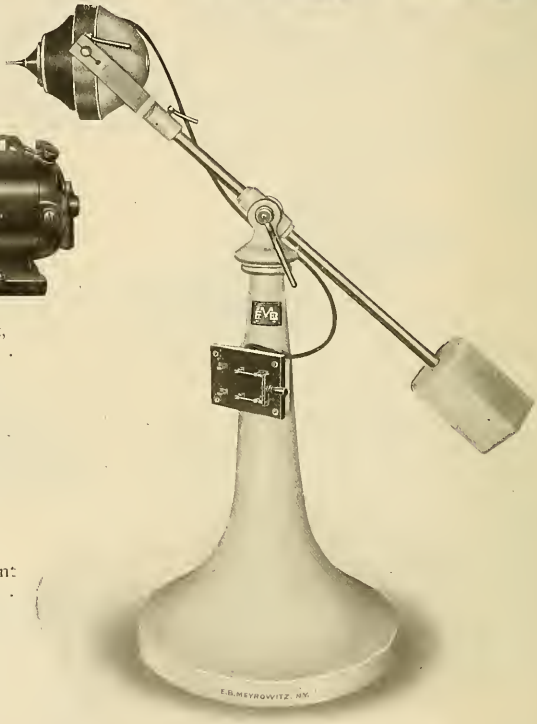


5600

5600 Improved Haab Giant Magnet, for direct current . .

The most powerful magnet made. Hollow hemi-spherical pole piece reduces the air gap and adds greatly to the attractive force. Mounted on heavy metal stand. Counterweighted shaft permits easy raising and lowering. Magnet head is adjustably mounted in yoke and yoke is swivelled to shaft permitting free adjustment in all directions.

5601 Electrolytic Rectifier for Giant Magnet . . . .

Converts alternating current into direct current by chemical action. Experience shows that with proper care it will operate indefinitely if renewals are looked after properly. Consists of 4 cells containing aluminum plates and an electrolyte, mounted in a substantial case with necessary binding posts.

5610 Meyrowitz Hand Magnet for direct current . . . . . .

Designed to produce the maximum power within present limits of size and weight.

Lengths 7¾ — voltage 110.
Diameter ⅞ — amperage .03
Weight, including neither tips nor connections 3 lbs. 4 oz.

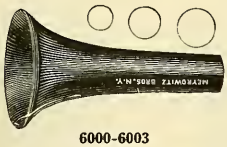
5611 Meyrowitz Hand Magnet . . . . . .

Similar to above for alternating current. Requires no rectifier, connected direct to current.

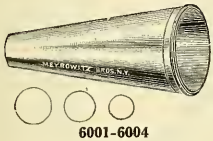
5612 Rotary Rectifier . . . . . .

Converts alternating into direct current of sufficient amperage to operate Hand Magnet. Efficient and durable.

Ear Instruments



6000-6003



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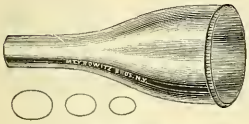

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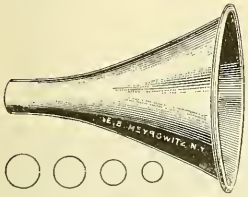

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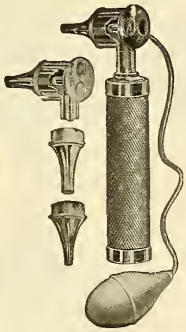

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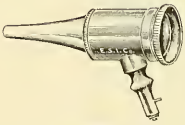

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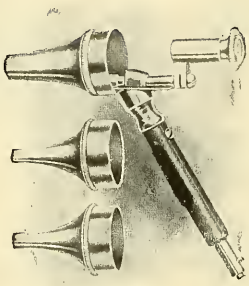

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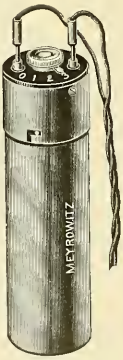
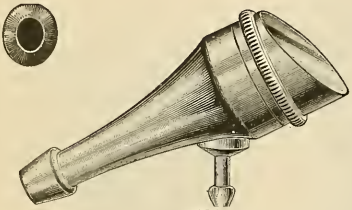


6030

6000 Ear Speculae, Toynbee's, hard rubber, set of 3 . . . . . .
6001 Ear Speculae, Wilde's, hard rubber, set of 3 . . . . . .
6002 Ear Speculae, Gruber's, set of 3 . . .
6003 " " Toynbee's, silver-plated, set of 3 . . . . . .
6004 Ear Speculae, Wilde's, silver-plated, set of 3 . . . . . .
6005 Ear Speculae, Gruber's silver-plated, set of 3 . . . . . .
6006 Ear Speculae, Gruber's, silver-plated, set of 5 . . . . . .
6007 Ear Speculae, Boucheron's, nickle-plated, set of 4 . . . . . .
6008 Ear Speculum, Kramer's, Bi-Valve . .
6020 Electric Auriscope, with magnifying lens and 5 millimeter, detachable speculum for diagnostic purposes only, with battery handle and two lamps in case . . . . .

6021 Electric Auriscope, for examination, operating, aspirating, revolvable diaphragm with aperture and magnifying lens, complete with 3 detachable speculae, 2 lamps and battery handle in case . . . . . .
6023 Electric Auriscope, as above, with cord attached handle . . . .
6025 Electric Auriscope. Connection for cord attachment, tubing connection for rubber bulb, air tight magnifying lens window and operating window with small magnifying lens permitting instrumentation, complete with 2 speculae, 2 lens windows and bulb . .
6026 Electric Auriscope, as above but with handle . . . . . .
6027 Electric Auriscope, with magnifying eye piece which can be rotated out of position when not required, complete with 3 speculae . . . .
6030 Pocket Battery, Young's, with rheostat for operating auriscopes with cord handles. . . . . .

Ear Instruments



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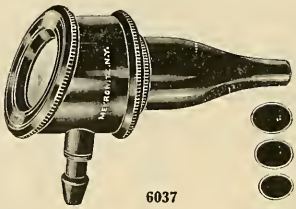

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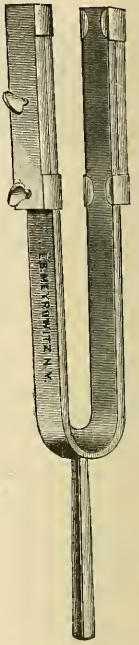

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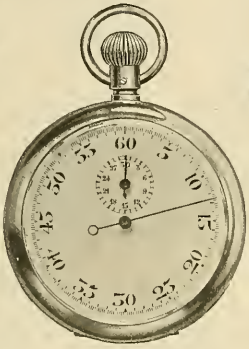

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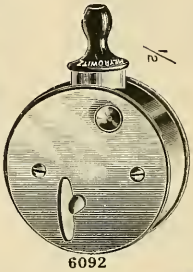
6090



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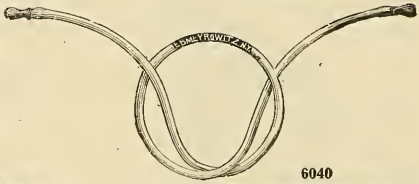

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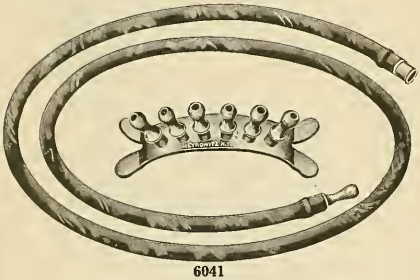
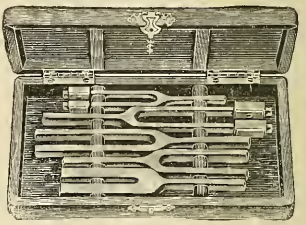


6041

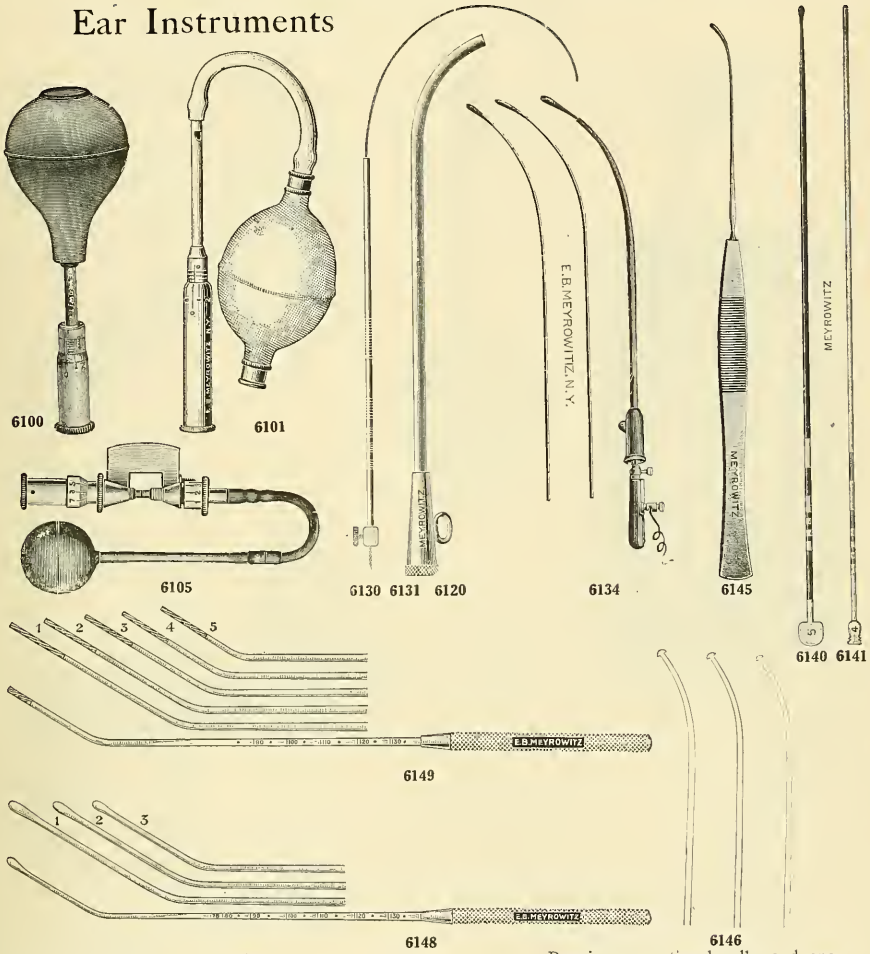
6091



6060

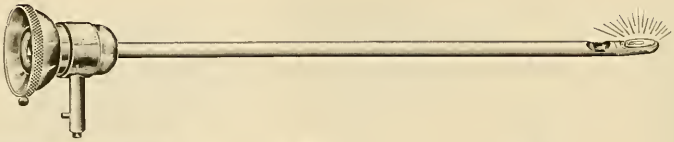
6035 Pneumatic Otoscope, conical ear piece, air tight window with bulb . . . .
6036 Pneumatic Otoscope, metal, with 3 speculae and bulb . . . . .
6037 Pneumatic Otoscope, hard rubber, 3 speculae . . . . . .
6040 Diagnostic Tube, hard rubber ends . .
6041 " " Jansen's. Consists of rubber tubing, metal connections and 6 different patients ear tips . . .
6060 Tuning Forks, Hartman's. Set of 5, 128-2048 vibrations . . . .
6065 Tuning Fork, Hartman's, 128 vibrations . . . . . .
6066 Tuning Forks, Hartman's, 256 vibrations . . . . . .
6067 Tuning Fork, Hartman's, 512 vibrations . . . . . .
6068 Tuning Fork, Hartman's, 1028 vibrations . . . . . .
6069 Tuning Fork, Hartman's, 2048 vibrations . . . . . .
6072 Tuning Fork, Blake's, 512 vibrations .
6074 " " Dench's, adjustable 16-64 vibrations . . . . . .
6090 Acoumeter, Bartlett's . . . .
6091 " Politzer's . . . .
6092 "Laerm Apparat," Barany's . . . .
6093 Split Second Watch . . . . .

Ear Instruments



6100 Galton Whistle with bulb . . .
6101 Dench " " " . . .
6105 Edelman-Galton Whistle in case with certificate . . . . . .
6120 Eustachian Catheter, 4 sizes, virgin silver, flexible . . . . . .
6121 Eustachian Catheter, as above, bulbous end . . . . . .
6130 Eustachian Applicator, twisted wire, per dozen . . . . . .
6131 Graduated Handle for same . . .
6132 Dench Eustachian Bougies, gold . .
6134 " " Electrolysis Set. Consisting of silver catheter insulated with rubber dam, 3 sizes, gold Bougies connecting handle and one fine connecting wire . . . .
6140 Eustachian Bougies, Yankauer's. Graduated to show protrusion from mouth of catheter in millimeters . .
6141 Eustachian Sounds, Yankauer's conical end, graduated as above . . .
6145 Eustachian Probe, Yankauer's . . .
6146 " Curette, Yankauer's, 3 sizes . . . . . .
6148 Eustachian Probes, Dixon's . . .
6149 " Applicators, Dixon's, set of 5 graduated made of copper, nickel-plated and flexible . . .

Ear Instruments



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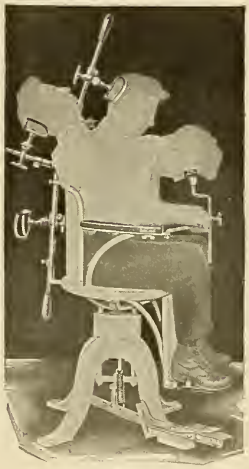
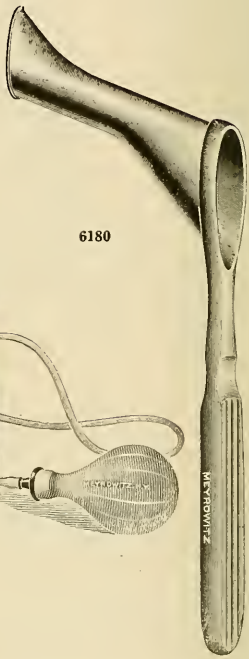


6190



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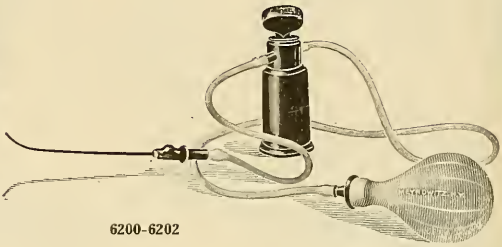


6200-6202

6175 Nasal Pharyngoscope, Holmes'. This is a tubular instrument containing a miniature telescope and electrical connections for illuminating the lamp, carried at its extremity. It is introduced into the nose being no larger than a catheter and is adjustable so that structures above, below or to the sides may be brought into view . . . . . .

The instrument permits careful examination of the post nares, the post pharyngeal vault, the openings to the Eustachian tubes, in many cases the sphenoidal opening and occasionally a posterior Ethmoid cell . . . .

Each intrument is supplied in metal case which serves also as sterilizer, one extra lamp and connecting cords

6180 Eustachian Speculum, Yankauer's. This instrument is introduced into the mouth. The beak of the instrument passing under the soft palate affording a direct view under illumination of the openings to the Eustachian tubes and adjacent structures . .

6190 Nystagmus Chair, American model. With arms, foot rests, adjustable head rest, safety ring handle for rotating, brake and stop. Finished in white enamel and nickel plate . .

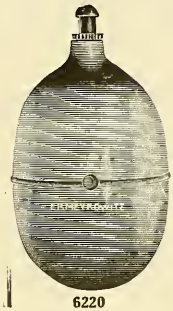
6200 Dench Vaporizer, hard rubber, for applying medicated vapor to Eustachian tube . . . . . .

6202 Dench Vaporizer, with Phelps patent air bag, tubing and connections and silver catheter . . . . .

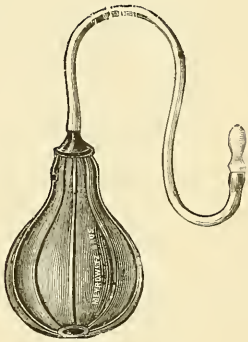
Ear Instruments

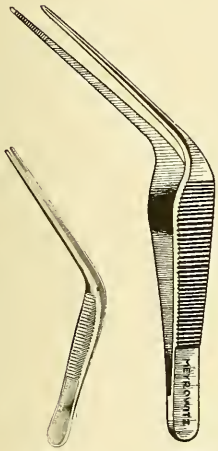
6230

6231


6220

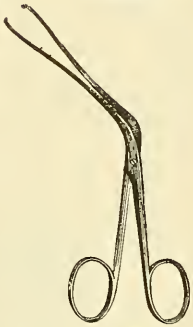
6224

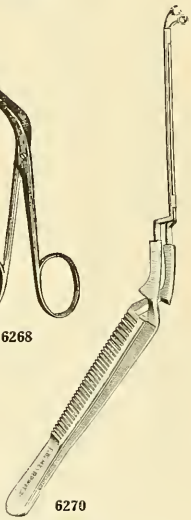

6210-17


6252 6260

6261

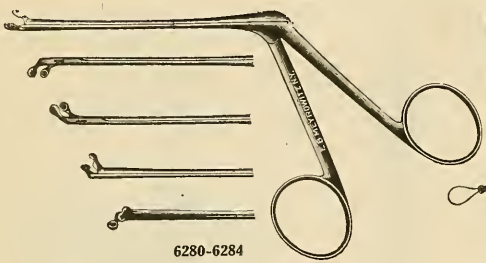
6264


6268

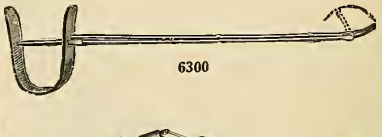

6270

6210 Politzer Bag, 6 oz., with valve . .
6211 " " " " without valve . .
6212 " " 8 " with valve . .
6213 " " " " without valve . .
6214 " " 10 " with valve . .
6215 " " " " without valve . .
6216 " " 12 " with valve . .
6217 " " " " without valve . .
6220 Phelps' Air Bag for politzeration, rubber valve . . . . . .
6224 Fowler's Automatic Ear Inflator . .
6230 Glass Tip, for politzer bag, Bacon's . .
6231 " " " " " Curtis' . .
6233 Hard Rubber Nozzle, oval . . . . .
6234 Hard Rubber Nozzle, conical . . .
6250 Ear Forceps, Wilde's, mouse tooth . .
6252 " " " serrated . .
6254 " " " cross action . .
6260 " " Thompson's. Made of non-corrosive metal, serrated portion of handle broadened near angle to afford more comfortable "grip" . .
6261 Ear Forceps, bayonet shape, Lucae . .
6264 " " Urbanschitz . . .
6265 " " operating laterally . .
6268 " " Pomeroy's, toothed . .
6270 " " Allport's, for attic . .
6272 " " Politizer's . . . .

Ear Instruments



6280-6284



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6346

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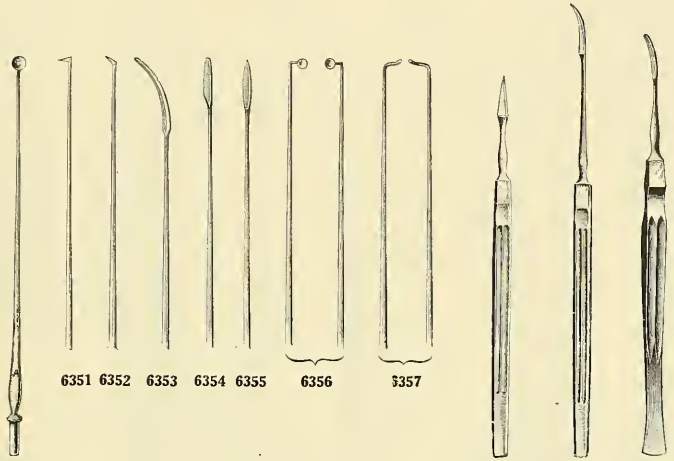
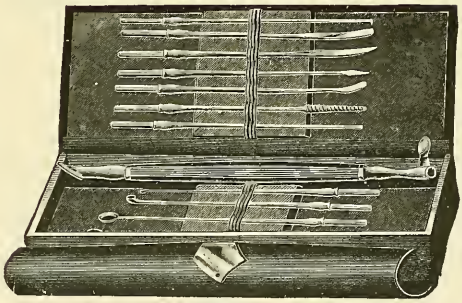
6280 Ear Forceps, Hartman's, sharp cutting blades, straight . . . .
6281 Ear Forceps, Hartman's, down . . .
6282 " " " up . . .
6283 " " " right . .
6284 " " " left . .
6286 " " " with serrated jaws . . . . . .
6295 Ear Snare, Blake's . . . . . .
6296 " " " improved model .
6300 Mechanical Finger for foreign bodies, Quire's . . . . . .
6310 Silver Probes, Bucks, heavy . . .
6311 " " " light . . .
6313 Double Spiral Hook for foreign bodies .
6320 Applicator, one piece, flexible . . .
6321 " steel aluminum handle . .
6325 Incus Hook, Allport's . . . .
6326 " " Dench's . . . .
6327 " " closed ring, Zeroni's . .
6330 Foreign Body Hook, double, Meierhof's . . . . . .
6332 Spoon and Hook, Gross's . . . .
6340 Paracenteisis Knife, straight . . .
6341 " " curved . . .
6345 Ear Curette, Buck's, sharp, 3 sizes . .
6346 " " dull, 3 sizes . . .
6348 " Instruments, Holtz's. Fine silver probe, silver applicator, 2 silver curettes, 3 sharp steel curettes . .

Ear Instruments



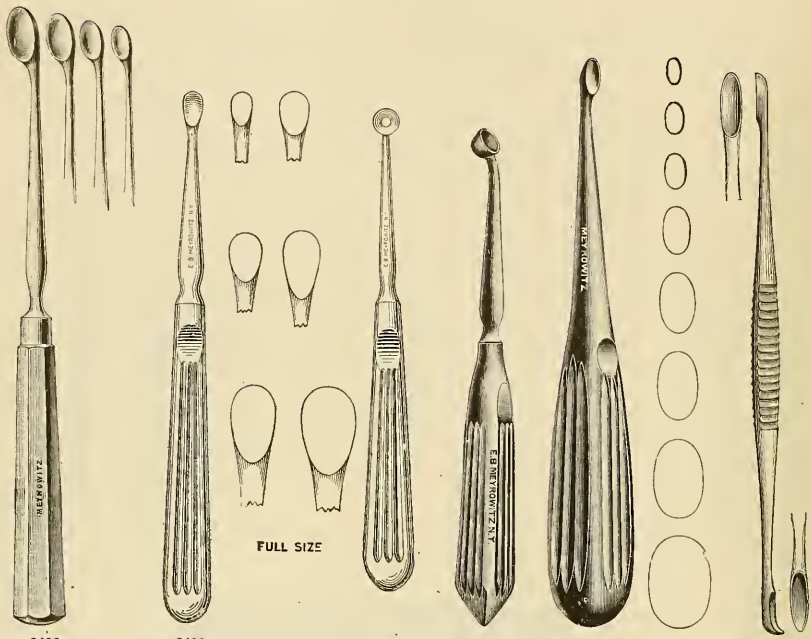


6370

6350 Ear Curette, Dench's . . . . .
6351 Angular Knife, Dench's . . . . .
6352 " " " . . . . .
6353 Furuncle Knife, curved double edged .
6354 Blunt Pointed Knife, Dench's . . .
6355 Sharp " " " . . .
6356 Ear Curette, right and left, Dench's .
6357 " Hooks, right and left, Dench's . .

6360 Furuncle Knife, Wilde's . . .
6361 " " Politzer's . . .
6362 " " Hartman's . . .
6370 Set of Ear Instruments in leather-covered case, Hartman's . . . .
Contains:
1 perforator, 2 hooks,
7 knives, 2 curettes,
1 handle.

Mastoid Instruments



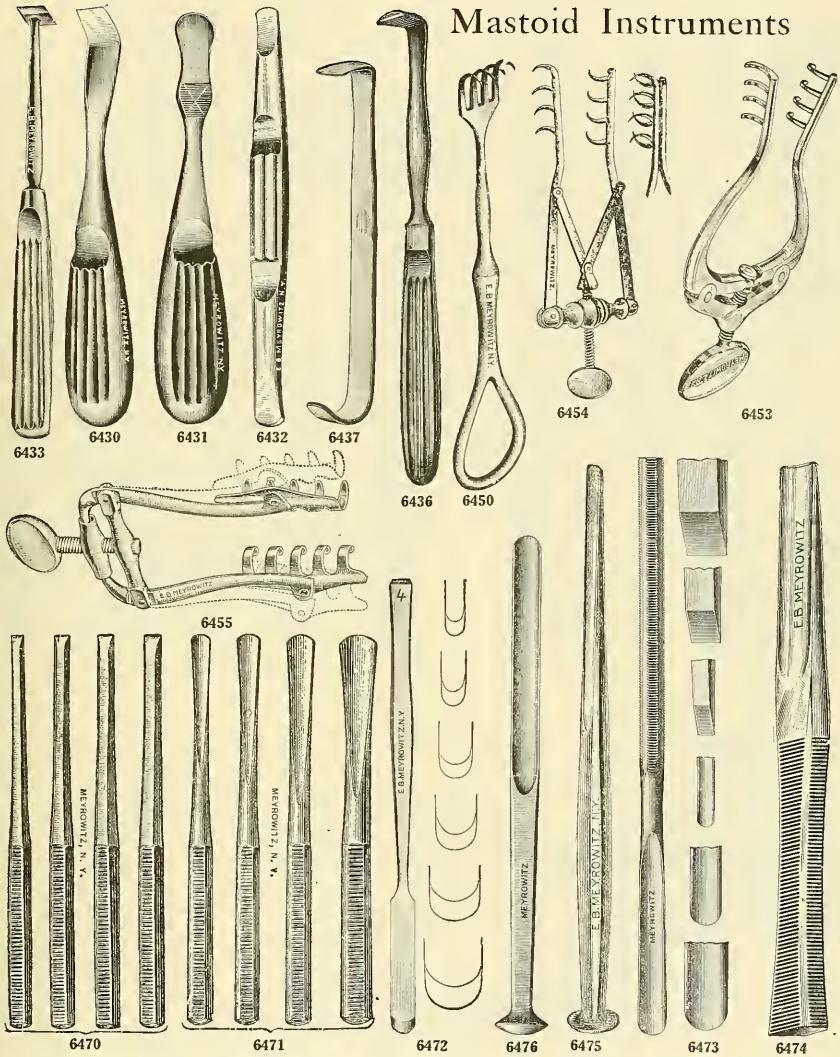
6400 6409 6402 6408 6404 6407

6406

6410

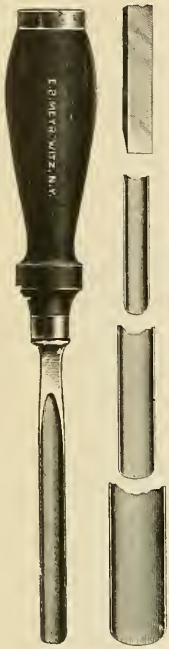
6400 Mastoid Curettes, Volkman's, oval, 4 sizes . . . . . .
6402 Mastoid Curettes, Buck's, round, 4 sizes . . . . . .
6404 Mastoid Curettes, Spratt's, 6 sizes . .
6406 " " Balance's, double ended . . . . . .
6407 Mastoid Curettes, Gleason's . . .
6408 " " Richard's, 4 sizes .
6409 " " Whiting's, oval, 6 sizes . . . . . .
6410 Mastoid Curettes, Barth's, double very delicate, 2 sizes . . . .

Mastoid Instruments



6430 Periosteal Elevator, Dench's
6431 " " Bacon's
6432 " " Sayer's
6433 " " Ballenger's, push or pull
6436 Periosteal Elevator, Lagenbeck's
6437 " " Andrew's
6450 Mastoid Retractor, Volkman's, short
6451 " " " long
6452 " " Buck's
6453 " " Jansen's
6454 Mastoid Retractor, Allport's
6455 " " Wagner's
6470 Mastoid Chisels, Schwartz', 4 sizes
6471 " Gouges, " " "
6472 " Chisels, Jansen's,
6473 " " and Gouges, Allport's
6474 " " Jordan's
6475 " Gouges, Balance's
6476 " Chisels and Gouges, 4 to 14 mm., Alexander's

Mastoid Instruments



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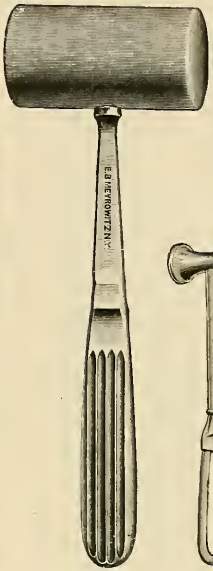

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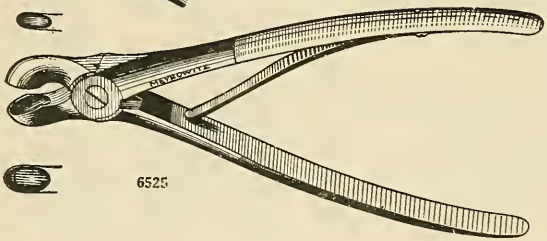
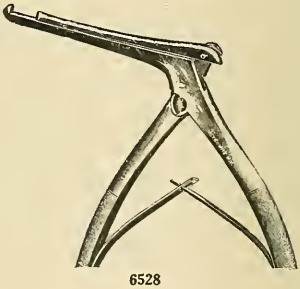


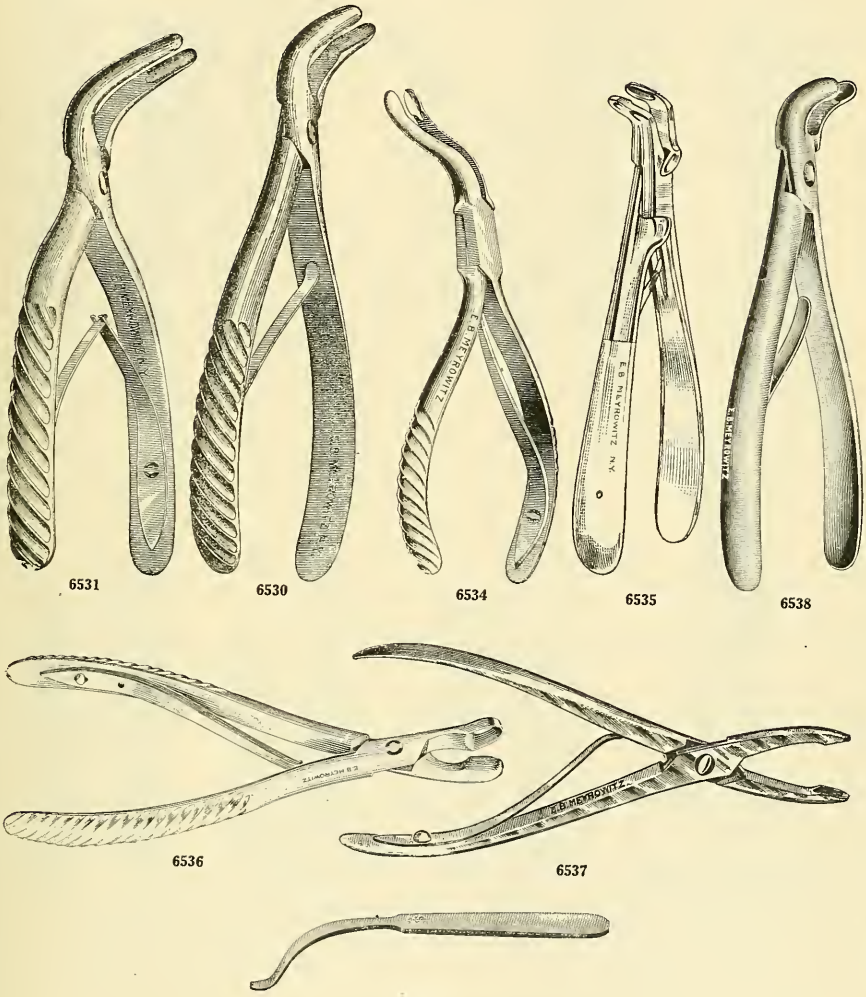
6525



6528

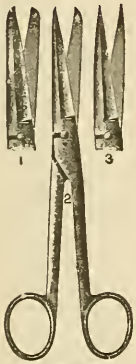
6478 Mastoid Chisel and Gouges, Kummel's, fibre handles . . . . . .
6480 Mastoid Chisel, Whiting's, 4 sizes . .
6481 " Gouge " " " . .
6500 " Mallet, fibre head . . .
6501 " " lead filled, open handle .
6502 Mastoid Mallet, solid handle . . .
6520 " Rongeur, straight . . .
6521 " " curved . . .
6522 " " sideways . . .
6525 " " Mathieus' . . .
6527 " " Luer Hartman's . .
6528 " " Kerrison's . . .

Mastoid Instruments

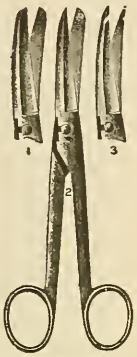


6530	Mastoid Rongeur, Whiting's short beak .	6536	Mastoid Rongeur, Richard's . . . .
6531	" " " long beak .	6537	" " Farrar's . . . .
6534	" " Jansen's, double curve .	6538	" " Pyle's . . . .
6535	" " Pierce's	6545	" Protector, Stacke's . . . .

General Instruments



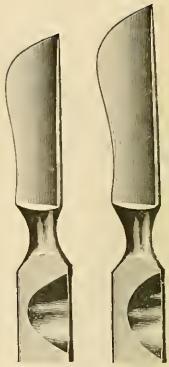
6575-6576



6580-6581

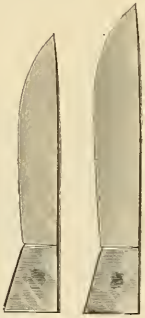
6583

6590-6593



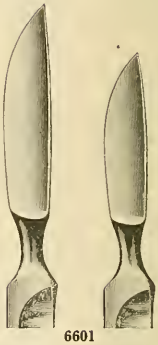
6600

6615-6617



6605

6606



6601

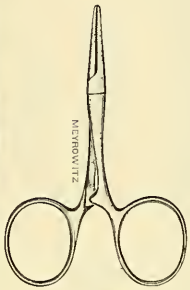
6575 Scissors, straight, 2 blunt points, 4, 4½, 5 or 5½ inches . . . .
6576 Scissors, straight, one sharp point, 4, 4½, 5 or 5½ inches . . . .
6580 Scissors, curved, 2 blunt points . . .
6581 " " 1 sharp point . .
6583 " Mayo's, straight, 5½ inches .
6584 " " curved, 5½ inches .
6590 " hand forged, special quality, 5½ inches, straight . . . .
6591 Scissors same, 6¾ inches, straight . .
6592 " " 5½ " curved . .
6593 " " 6¾ " " . .

6600 Scalpels, bellied end, triangular handle with recesses for fingers . . .
6601 Scalpels as above, center point . .
6605 " English pattern, 3 sizes . .
6606 " Swedish " 4 " . .
6615 Bandage Scissors, angular, 5½ inches .
6616 " " " 7 " .
6617 " " " 8 " .
6620 Thumb Forceps, serrated blades, 3 inches . . . . . .
6622 Thumb Forceps, serrated blades, 4 inches . . . . . .
Thumb Forceps, serrated, blades, 5 inches . . . . . .

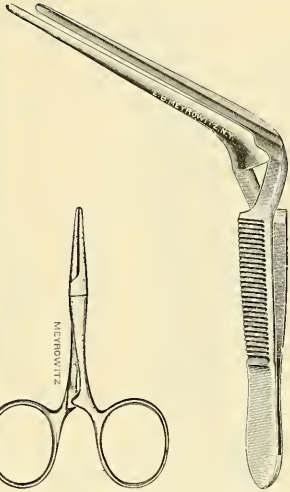
Mastoid Instruments

6650

6653

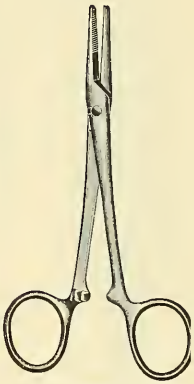


6685

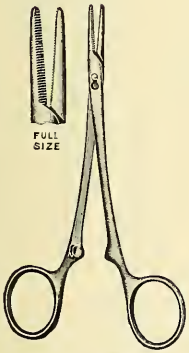


6665

6671



6680



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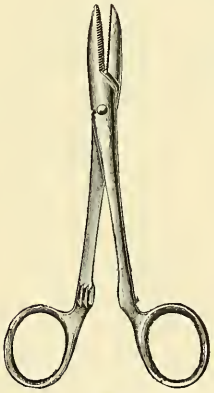

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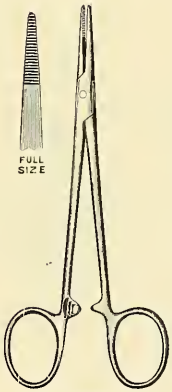
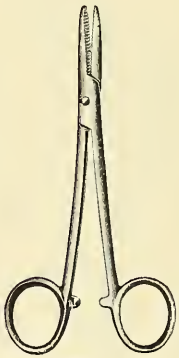


6683



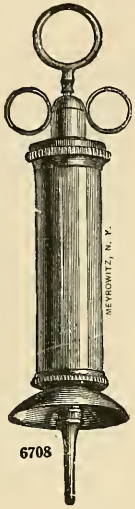
6684

6650 Metal Sutures, 3 sizes . . . . .
6652 " " applicator . . .
6653 " " " combined with remover . . . . . .
6665 Brain explorer, Jackson's . . . .
6670 Eustachian Burr, double ended, Allport's .
6671 Mastoid Burr, Ballenger's, 4 sizes . .

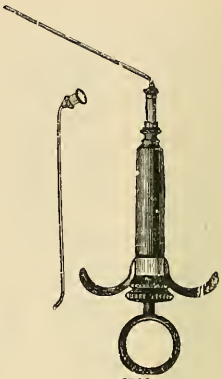
6680 Artery Forceps, Kelly's . . . . .
6681 " " Halsted's . . .
6682 " " Jones' . . . .
6683 " " Prov. City Hospital. .
6684 " " Spencer-Wells . .
6685 " " special, short . . .

Ear Instruments

6700-6705



6708



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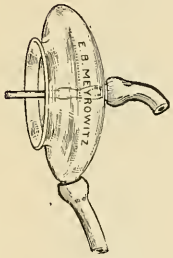
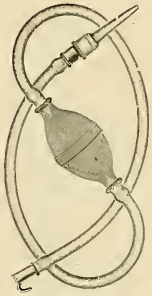


6725

6730-6731

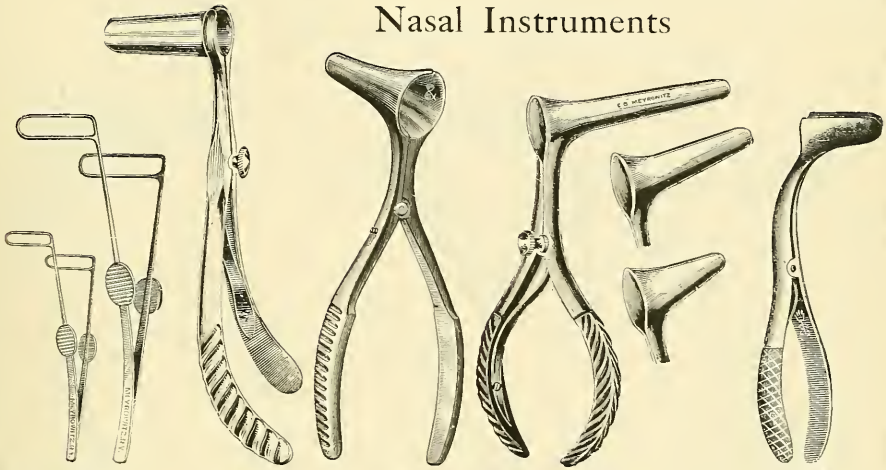


6732

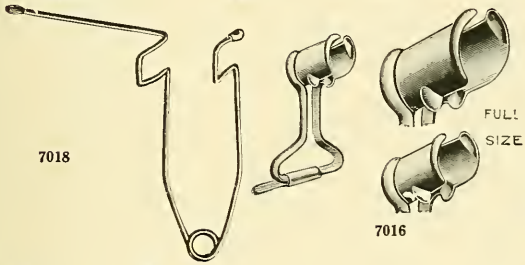
6734

6700 Ear Syringe all metal, ½ oz. . . .
6701 " " " " 1 " . . .
6702 " " " " 2 " . . .
6703 " " " " 3 " . . .
6704 " " " " 4 " . . .
6705 " " " " 6 " . . .
6708 " " leather packing, 2 oz. . .
6715 " " ½ oz., with long ear canula, middle ear canula and silver lachrymal canula . . . . .
6718 Middle Ear Syringe, Blake's, with straight and curved tips . . . .
6725 Fowler Suction Bell Ear Douche. Consists of a glass bell which fits tightly over the ear, a central glass rubber tipped nozzle delivers the irrigating stream to aural canal. The return flow passes through the outlet at the bottom. This douche irrigates in the presence of a vacuum and is most efficient . . . . . .
6730 All Rubber Syringe, 1 oz. . . .
6731 " " " 3 " . . .
6732 Ear and Antrum Syringe, with soft rubber tip which may be placed with antrum irrigating canula if desired .
6734 Ear Spout with tubing . . . .

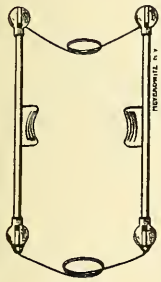
Nasal Instruments



7000–7001 7004 7005 7007 7008



7018 7016



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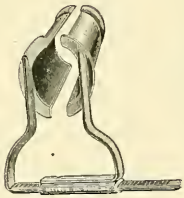
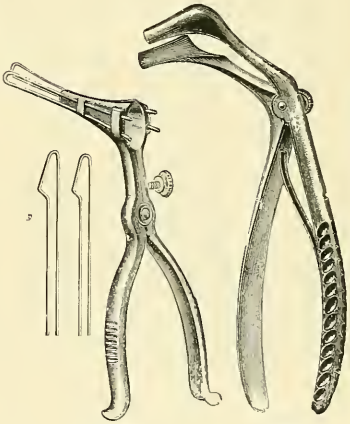


7015

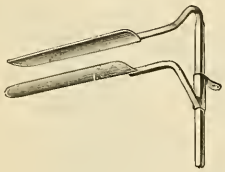


7020 7009

7000 Nasal Speculum, Bosworth's, small . .
7001 " " " large . .
7004 " " Coakley's, . . .
7005 " " Hartman's . . .
7007 " " Killian's, 3 sizes . .
7008 " " Ingalls' . . . .
7009 " " Beckman's, angular .

7010 Nasal Speculum, Yankauer's, self-retaining . . . . . .
7015 Nasal Speculum, Myles', 2 sizes . .
7016 " " Ray's, 2 sizes . . .
7018 Nasal Speculum, Allen's, right and left, self-retaining . . . . .
7020 " " Mosher with interchangeable and extensible wire blades .

Nasal Instruments



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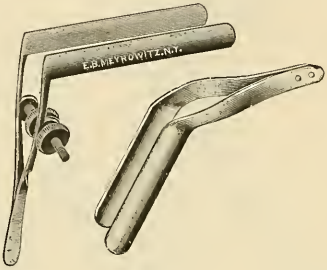
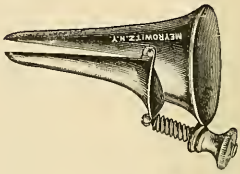


7027 7028



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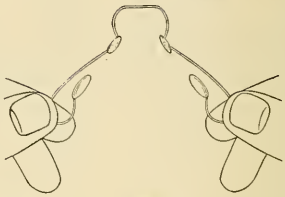

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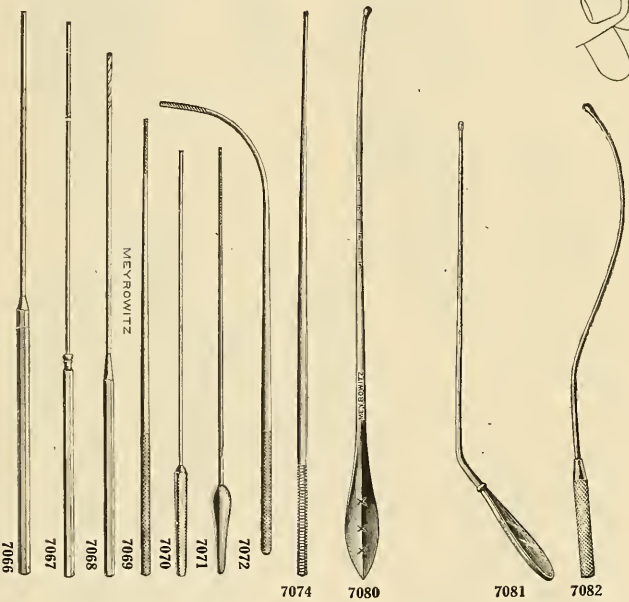


7066 7067 7068 7069 7070 7071 7072 7074 7080 7081 7082

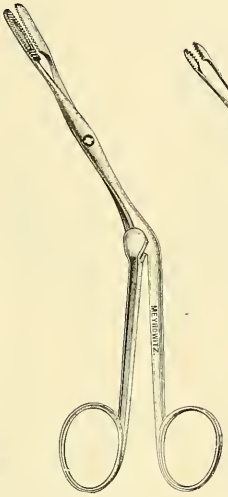
7042

7025 Nasal Speculum, Patton's . . . .
7027 " " Goldstein's . . .
7028 " " Foster-Ballenger . .
7030 " " Knight's . . .
7040 " Dilator, "Breathrite" . . .
7042 " " Myles', 3 sizes . . .
7066 " Applicator, Bosworth's . . .
7067 " " " light . .
7068 " " threaded end . . .

7069 Nasal Applicator Kyles' . . . .
7070 " " special . . .
7071 " " Allen's, steel, aluminum handle . . . . .
7072 Nasal Applicator, Kyles', curved . .
7074 " " Fitzgerald's . . .
7080 " Probe, Coakley's, graduated, 3 sizes . . . . . .
7081 Nasal Probe, flexible . . . . .
7082 " " Delstanch . . . .

Nasal Instruments

7100



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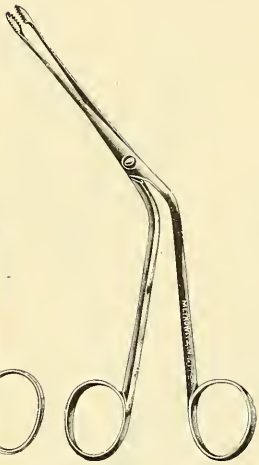

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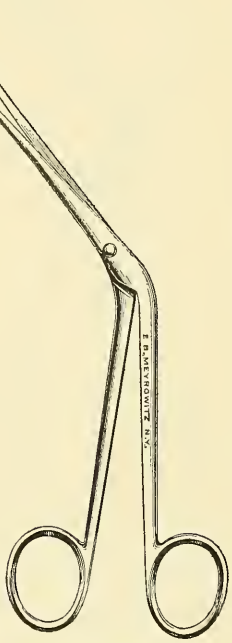

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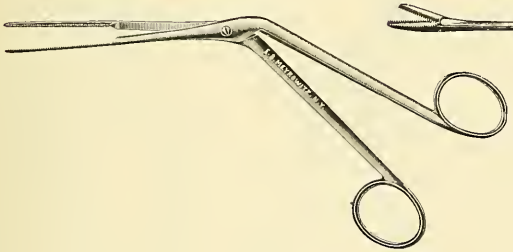

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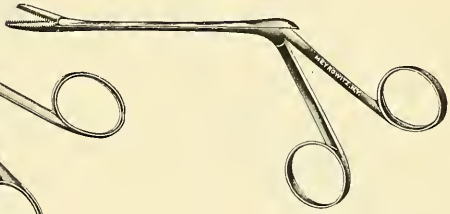
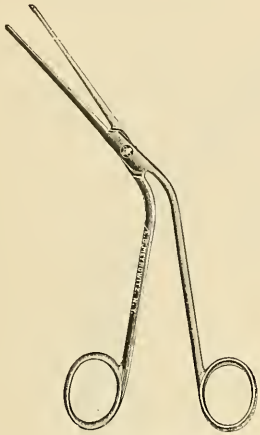


7115

7100 Nasal Dressing Forceps, Simrock's . .
7101 " " " Knight's . .
7102 " " " light pattern .
7104 Nasal Dressing Forceps, Hartman's . .
7110 " " " Muschold's .
7115 " " " alligator jaws .

Nasal Instruments



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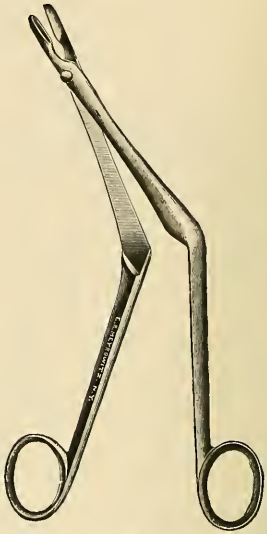
7117



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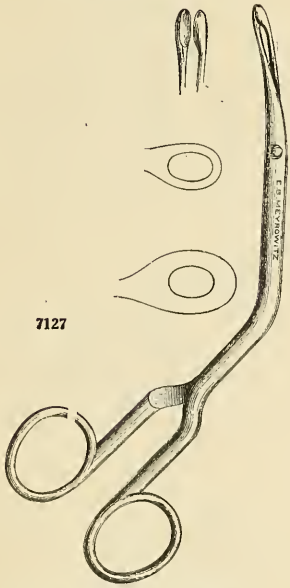

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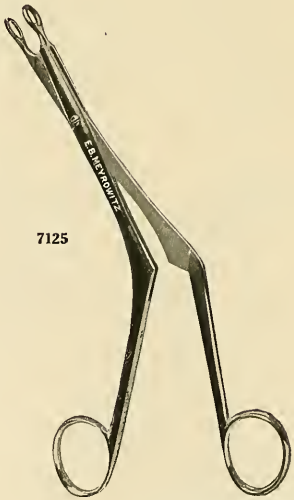

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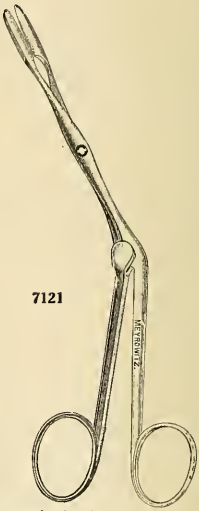
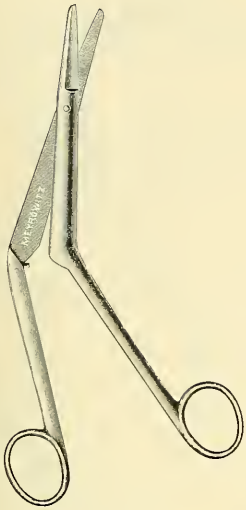


7121

7116 Nasal Forceps, Yankauer's . . .
7117 " " Heath's . . .
7120 " Cutting Forceps, Heyman's . . .
7121 " " " Knight's . .

7125 Nasal Forceps, Bruening's, for septum and turbinates . . . . .
7127 Nasal Forceps, Lucs', for septum and turbinates . . . . . .

Nasal Instruments



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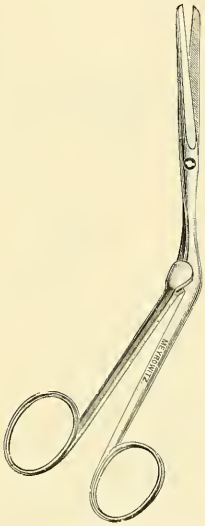

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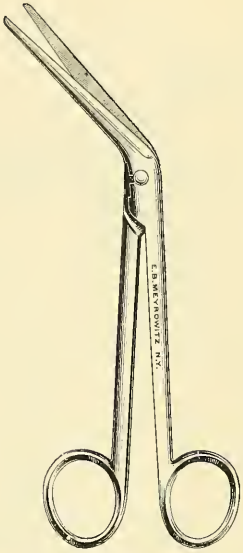

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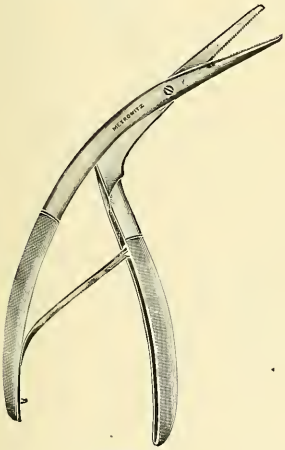

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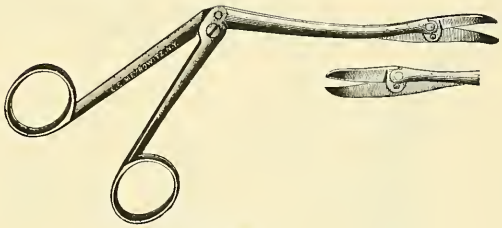
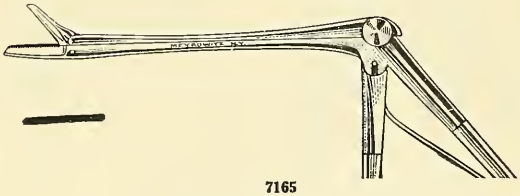


7149-7150

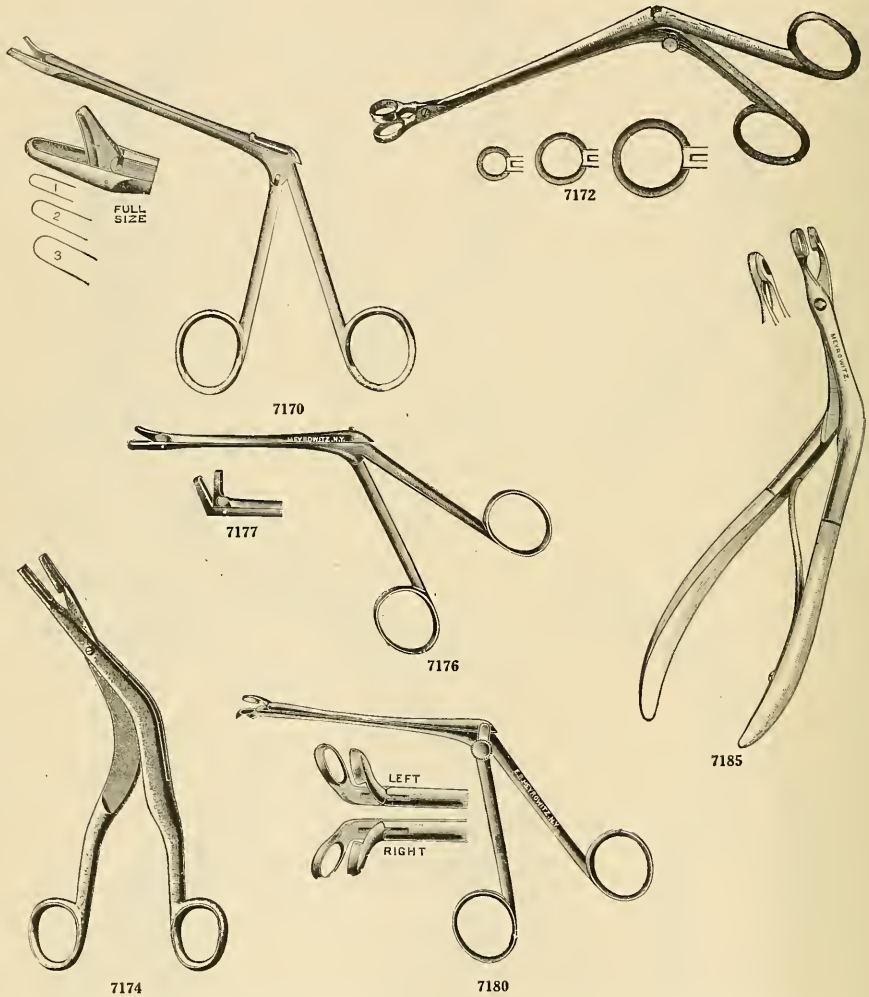


7165

7140 Nasal Scissors, Douglas' . . . . .
7141 " " Knight's . . . . .
7142 " " Seiler's . . . . .
7143 " " Thompson's . . . .
7149 " " Holmes', straight . .
7150 " " right or left . . .

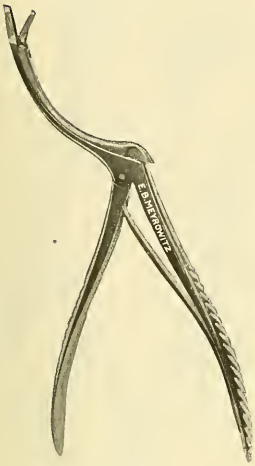
7165 Nasal Punch Forceps, Struycken's, opening vertically . . . . .
7166 Nasal Punch Forceps, Struycken's, opening from below . . . .
7167 Nasal Punch Forceps, Struycken's, opening laterally, right or left . .

Nasal Instruments



7170 Nasal Punch Forceps, Grunwald, 3 sizes .
7172 " " " Hartman's, forceps .
7174 " " " Bonain's . . .
7176 " " " Myles' . . .
7177 " " " Myles', cutting upward . . . . . .
7180 Nasal Punch Forceps, Hartman's, right or left . . . . . .
7185 Nasal Punch Forceps, Curtis', also used for septum . . . . .

Nasal Instruments



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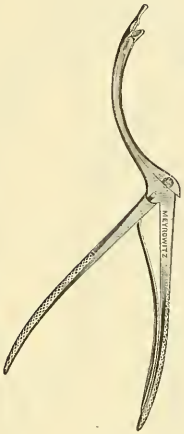

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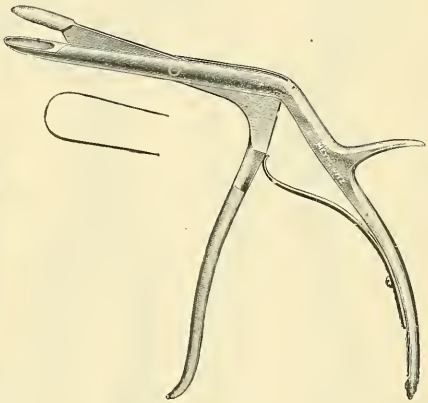

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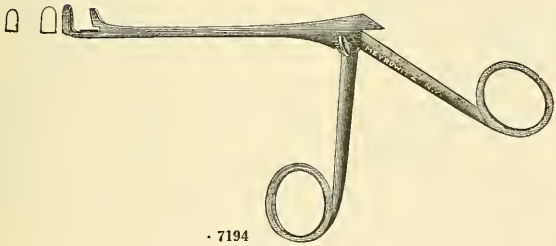

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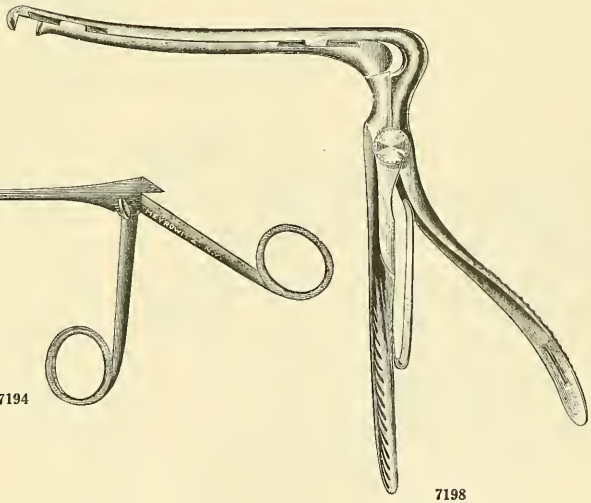
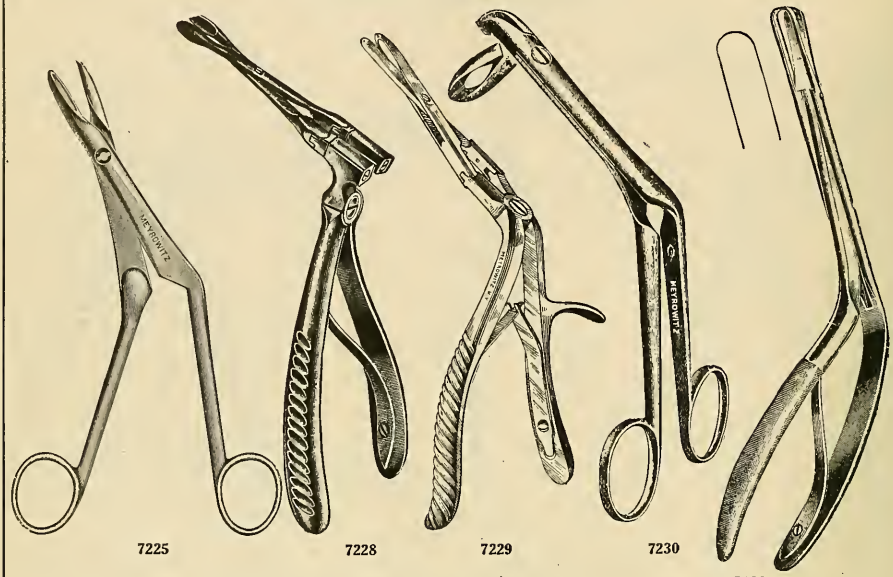


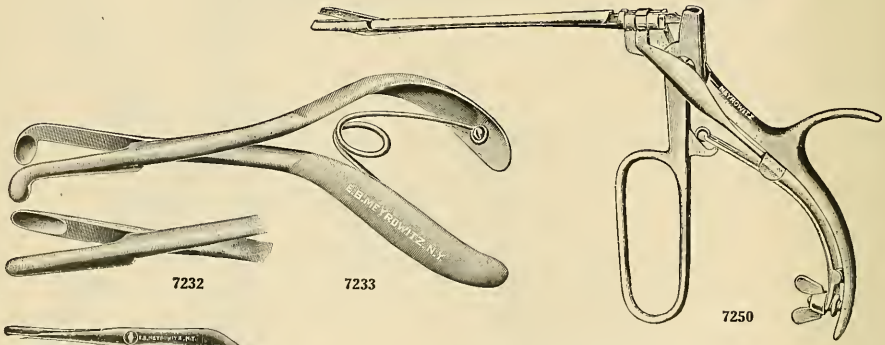
7198

7190 Frontal Sinus Punch Forceps, Lang's .
7191 " " " " " with probe point . . . . .
7194 Ethmoid Punch Forceps, Myles', 2 sizes .
7196 Frontal Sinus Rongeur, Lombard . .
7198 Sphenoid Punch Forceps, Skillern's . .
7224 Septum Forceps Koffler . . . . .

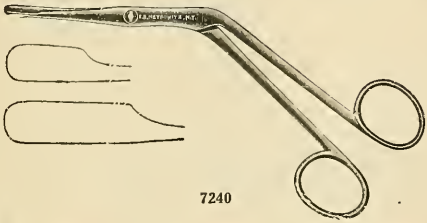
Nasal Instruments



7225 7228 7229 7230 7231



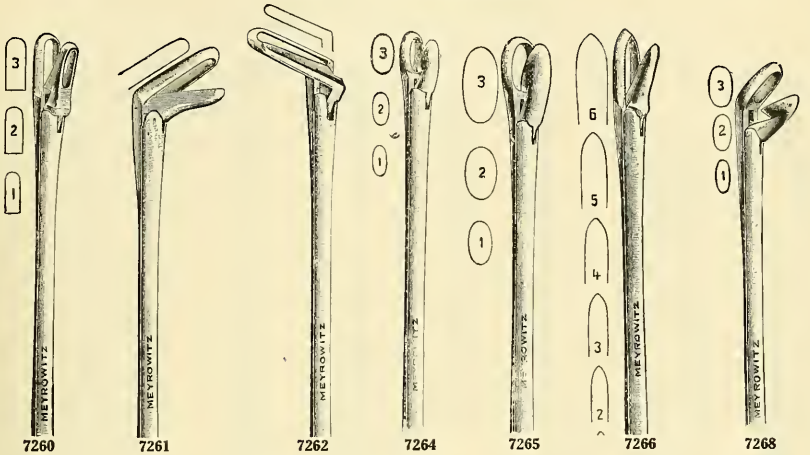
7232 7233 7250



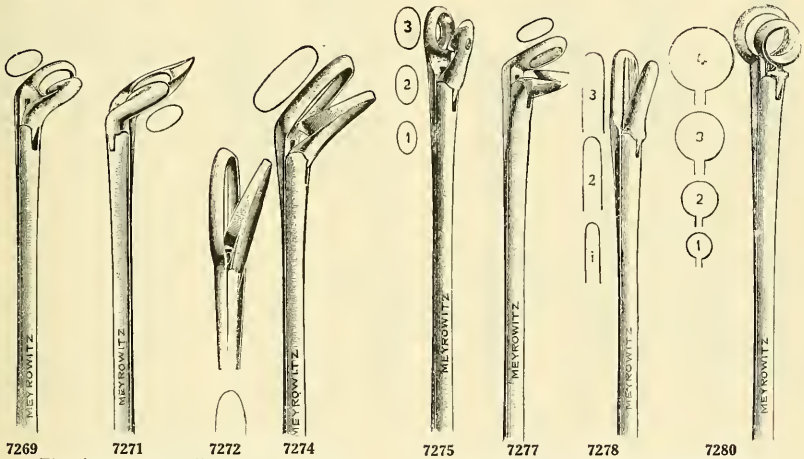
7240

7225 Septum Forceps, Hurd's . . . .
7228 " " Jansen's . . .
7229 " " Jansen-Middleton . .
7230 " " Lutz's . . . .
7231 " " Ballenger's . . .
7232 " " McCoy's . . .
7233 " " McCoy's, down . .
7235 " " Freer-Grünwald . .
7240 " Plate Forceps, Killian's, 2 sizes .
7250 Universal Handle only, for instruments illustrated on following pages .

Nasal Instruments



7260 7261 7262 7264 7265 7266 7268

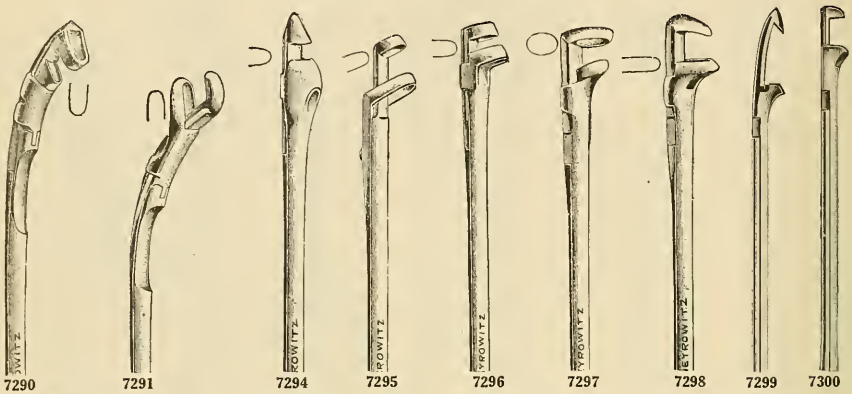


7269 7271 7272 7274 7275 7277 7278 7280

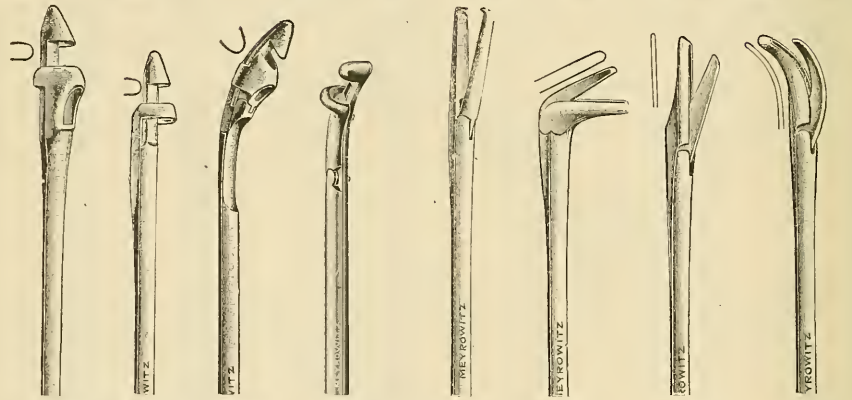
The instruments illustrated on this page are all interchangeable on handle number 7250 listed on previous page:

7260 Nasal Punch Forceps, Myles', 3 sizes
7261 " " " " curved upward
7262 Nasal Punch Forceps, right or left
7264 " " " Grünwald's 3 sizes
7265 Nasal Punch Forceps Grünwald's, 3 sizes, large form
7266 Nasal Punch Forceps, Grünwald's, rectangular, 7 sizes
7268 Nasal Punch Forceps, Grünwald's, curved up, 3 sizes
7269 Nasal Punch Forceps, Hartman's, right or left
7271 Nasal Punch Forceps, Hartman's, right or left, sharp point
7272 Nasal Punch Forceps, Kummel's
7274 Nasal Punch Forceps, Kummel's, 45 degrees
7275 Nasal Punch Forceps, Grünwald's, not fenestrated
7277 Nasal Punch Forceps, Grünwald's, 45 degrees
7278 Nasal Punch Forceps, Hartman's, rectangular
7280 Nasal Punch Forceps, Hartman's, round, 4 sizes

Nasal Instruments



7290 7291 7294 7295 7296 7297 7298 7299 7300



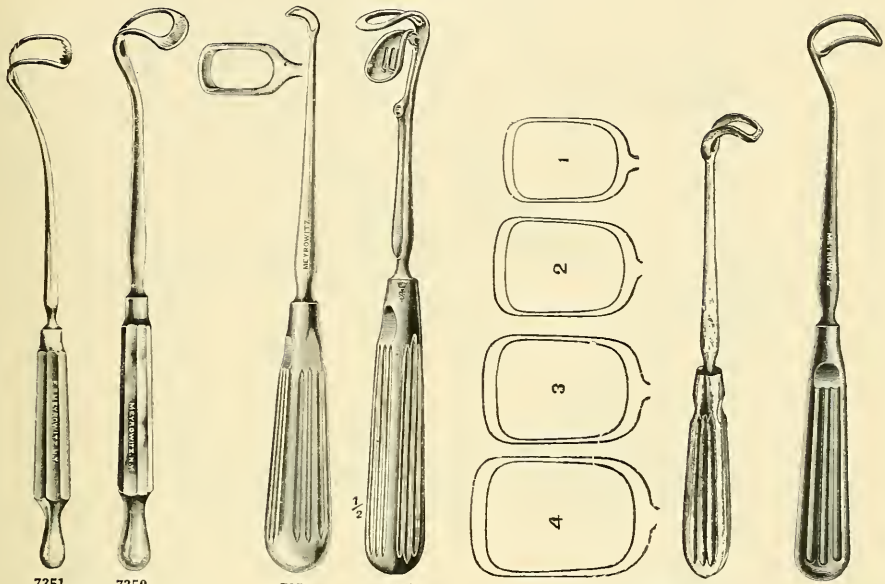
7302 7303 7304 7306 7309 7312 7313 7314

The instruments listed on this page are all interchangeable on handle No. 7250 listed on page 76.

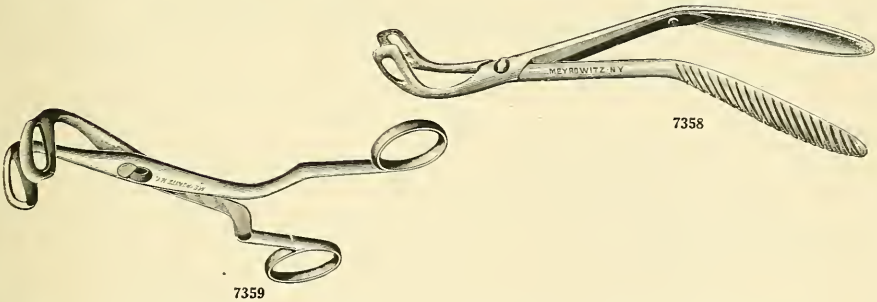
7290 Antrum Punch Forceps, Wagner, forward cutting . . . . . .
7291 Antrum Punch Forceps, Wagner, backward cutting . . . . . .
7294 Sphenoid Punch Forceps, Cordes' . .
7295 Ethmoid " " " . .
7296 " " " " . .
7297 " " " Killian's . .
7298 " " " " long cut . . . . . .
7299 Sphenoid Punch Forceps, special model . . . . . .
7300 Ethmoid Punch Forceps, special model . . . . . .

7302 Ethmoid and Sphenoid Punch Forceps, 16 cm. long . . . . . .
7303 Ethmoid and Sphenoid Punch Forceps, 11 cm. long . . . . . .
7304 Sphenoid Punch Forceps, Spies' . . .
7306 Antrum Punch right or left, Yankauer's . . . . . .
7308 Nasal Forceps, serrated . . . . .
7309 " " mouse tooth . . .
7312 " " Fry's . . . .
7313 " Punch Forceps, Struycken's . .
7314 " " " Buy's, right or left . . . . . .

Nasal Instruments



7351 7350 7352 7354 7355 7356



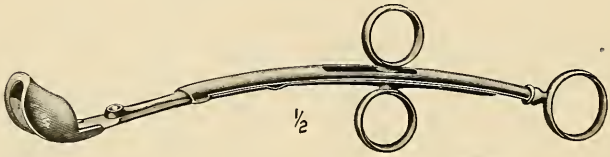
7358

7359

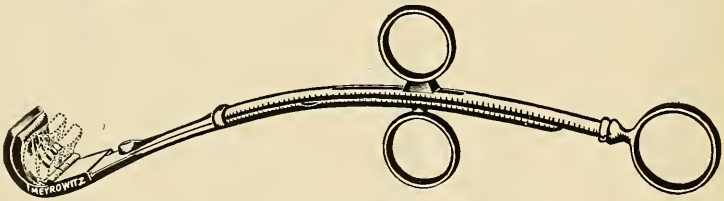
7350 Adenoid Curette, Gottstein's, 3 sizes . .
7351 " " Chappel's wave edge 2 sizes . . . . . .
7352 Adenoid Curette, Vogel's, very small, for infants . . . . . .
7354 Adenoid Curette, Delstanche, with adjustable basket, 2 sizes . . . .

7355 Adenoid Curette, Barnhill's, 5 sizes . .
7356 " " Stubbs-Barnhill's, 3 sizes . . . . . .
7358 Adenoid Forceps, Brandegee . . .
7359 " " French . . .

Nasal Instruments

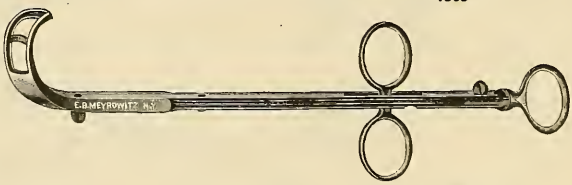


7360



7361

7365



7368

7360 Adenotome, LaForce's, with extra blade, 3 sizes . . . . . .

7361 " Stevenson-LaForce, with extra blade. Automatic spring-back basket and perforated blades, 3 sizes . . . . . .

7365 Adenotome and Curette Combined, Braun's, 1 size . . . . . .

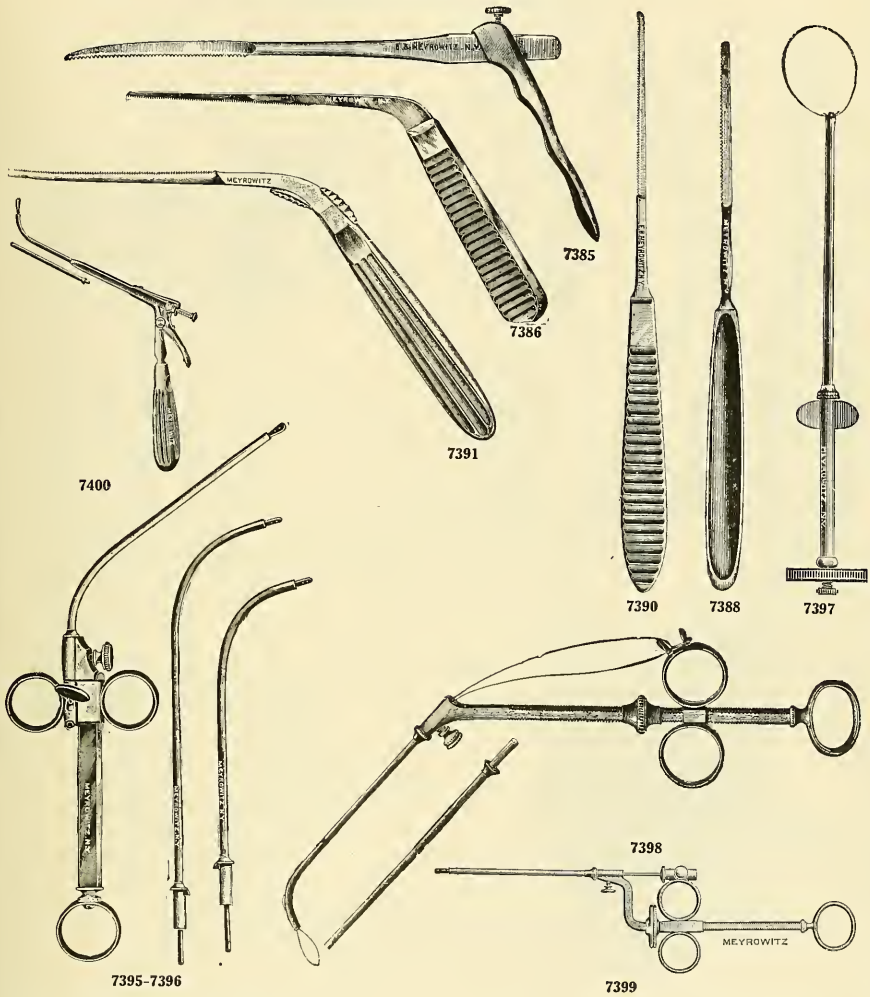
This instrument is the equivalent of a curette but has in addition the upward moving sharp blade of the regular Adenotome, it possesses all advantages of both instruments.

In operating, the instrument is first used as a Curette and at the end of the downward sweep the sharp blade is pushed forward, severing the pedicle by which the mass remains attached. This insures clean and complete division of tissue without any danger of stripping the mucous membrane from the pharynx. The amputated mass is caught and held in the basket.

The instrument is substantially made of tool steel throughout. The blades work smoothly without binding or buckling.

7368 Adenotome, Schoetz . . . . . .

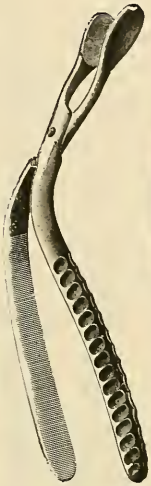
Nasal Instruments



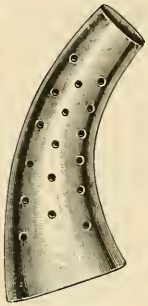
7385 Nasal Saw, Mials', reversible . . . .
7386 " " Bosworth's, up or down . .
7388 " " Curtis', very fine . . . .
7390 " " Holmes', straight . . . .
7391 " " Coakley's, beveled edge, right or left . . . . . .
7395 Nasal Snare, Schroetter's, straight canula . . . . . .
7396 Nasal Snare, Schroetter's, one straight and 2 curved canula . . . . .
7397 Nasal Snare, Sajon's . . . . . .
7398 " " Bosworth's . . . . .
7399 " " Douglas' . . . . .
7400 " " Wright's . . . . .

Nasal Instruments

7425



7426



7430

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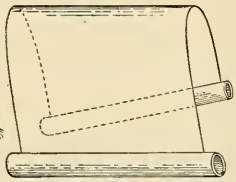

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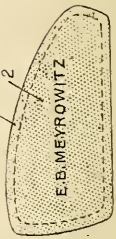
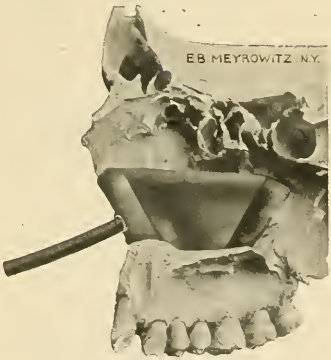
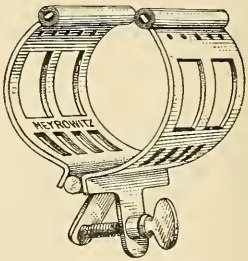


7438



7440

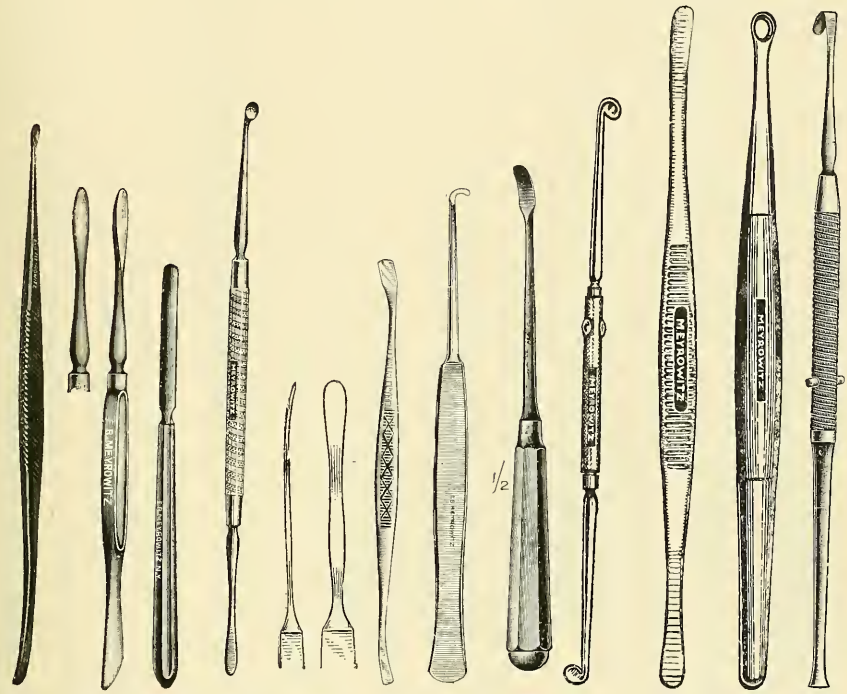


7445

7425 Septum Forceps, Asch . . . . .
7426 " " Adams' . . . . .
7430 Nasal Splints, malleable metal, Kyles, 5 sizes . . . . . .
7431 Septum Splints, Gleason's, malleable, 5 sizes . . . . . .
7432 Nasal Splints, McKernon, hard rubber, 10 sizes . . . . . .
7433 Nasal Splints, Mayer, hard rubber, 6 sizes . . . . . .
7434 Nasal Splints, Asch, hard rubber, 5 sizes . . . . . .

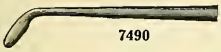
7438 Simpson's Nasal Tampons, made of Bernay sponge, box of 2 doz. large and 2 doz. small . . . . . .
7440 Beck's inflatable rubber tampons, 3 sizes, for epistaxis and post-operative work . . . . . .
7445 Nasal Bridge, Carter's, adjustable, for correcting deformities . . . . .
7446 Nasal Bridge, Poindexter's, flexible, 3 sizes . . . . . .

Nasal Instruments



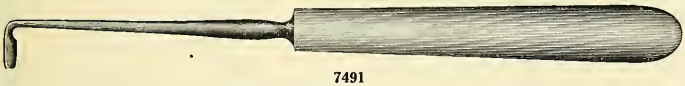
7475 7477 7480 7481 7482 7484 7483 7485 7486 7487 7488 7489

7493



7490

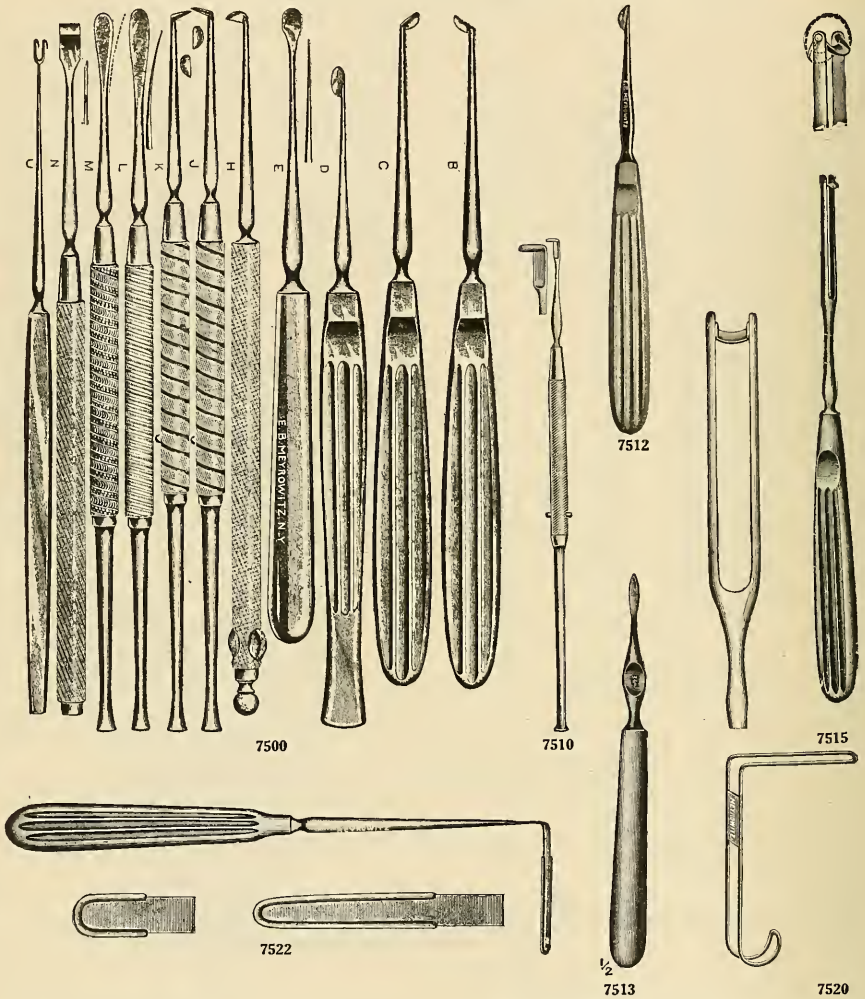
7492



7491

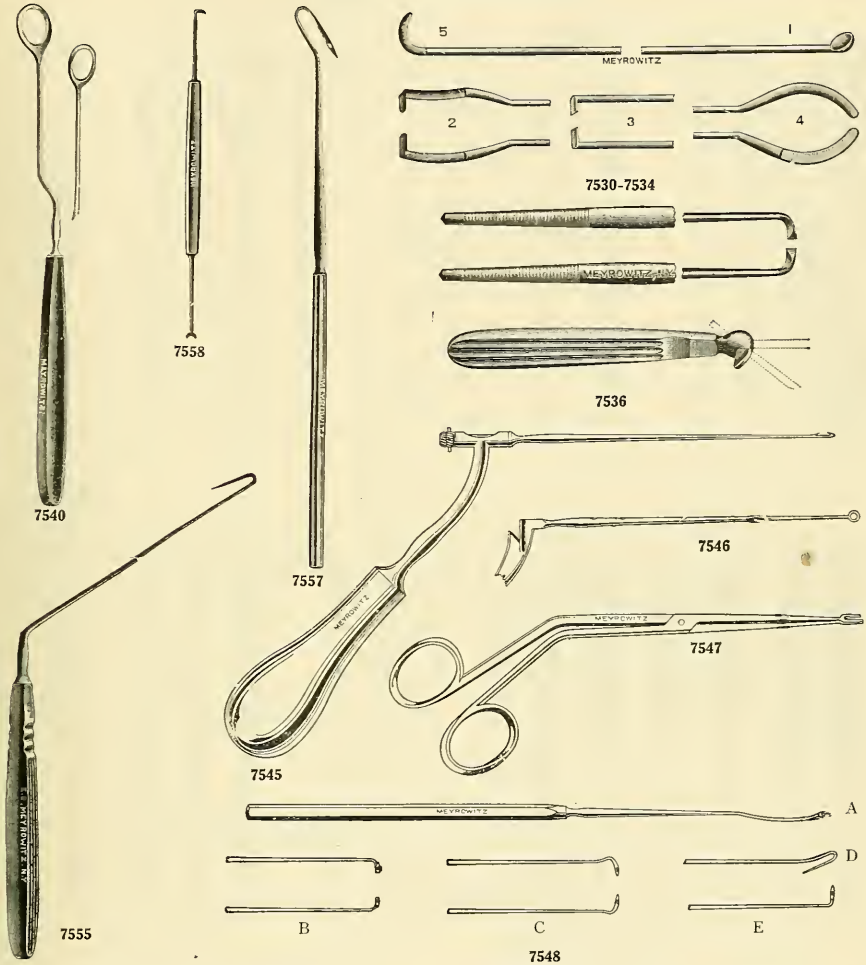
7475 Septum Elevator and Curette, Carter's .
7476 " " Ballenger's, blunt . .
7477 " " " sharp . .
7479 " " Killian's, sharp . .
7480 " " " blunt . .
7481 " " and curette, Dunning's .
7482 " " Yankauer's . . .
7483 " " Yankauer's, hook-shaped.
7484 " " double, Spratt's . .
7485 " " Abraham's . . .
7486 Septum Elevator, double, Pierce's . .
7487 " " Hurd's, sharp and blunt, flexible . . . . .
7488 Septum Elevator and curette, Hurd's .
7489 " " Goldstein's . . .
7490 " " Roof's . . . .
7491 " " " right-angle .
7492 " " Killian's, double . .
7493 " " or raspatory for ridge, Freer's . . . . . .

Instruments for Submucous Resection



7500U	Double Hook, Freer's . . . . .
7500N	Chisel Freer's . . . . .
7500M	Sharp Elevator, Freer's . . . . .
7500L	Dull Elevator " . . . .
7500JK	Angular Knives, bent on flat, Freer's .
7500H	" " " " edge, Freer's .
7500E	Dissecting Knife, Freer's . . . .
7500D	Mucosa Knife, Freer's . . . . .
7500BC	Mucosa Knives, right and left, Freer's .
7510	Septum Knife, Murray's . . .
7512	" " Carter's . . .
7213	" " Ballenger's . . .
7515	" " swivel, Ballenger's, 2 sizes . . . . .
7520	Nasal Retractors, Richard's, 2 sizes . .
7522	" " beaded edge, 2 sizes .

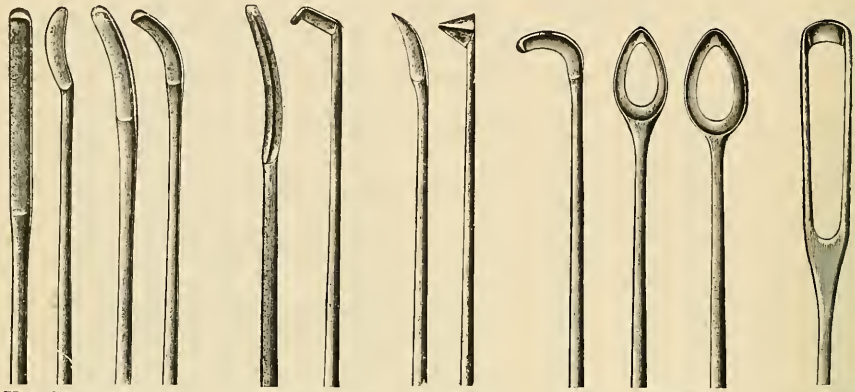
Nasal Instruments

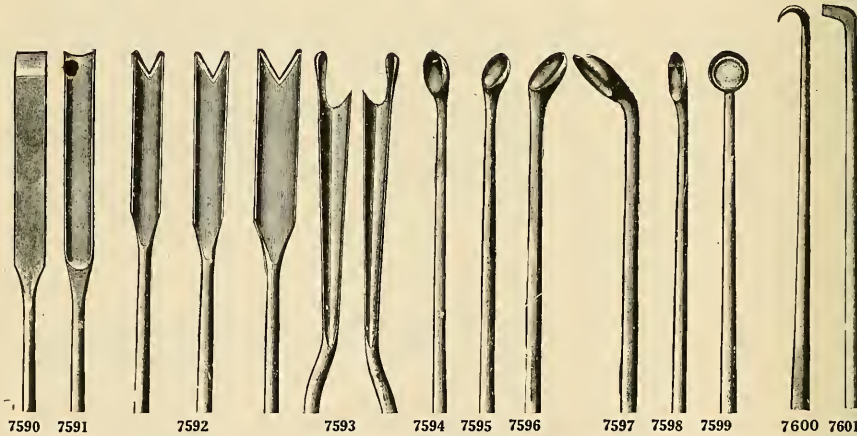


7530 Ethmoid Curette, Ballenger's, (Fig. 1) .
7531 Ethmo-Turbinate Knives, Ballenger's, right and left, (Fig. 2) . . . . .
7532 Angle-ethmo Knives, Ballenger's, right and left, (Fig. 3) . . . . . .
7533 Turbinate Knives, Ballenger's, right and left, (Fig. 4) . . . . . .
7534 Posterior Antrum Knives, Ballenger's (Fig 5) . . . . . .
Instruments listed above are without handles . . . . . .

7535 Handle for Ballenger's Instruments . .
7536 Turbinate Knives, Sluder's, right and left with handle . . . . . .
7540 Spokeshave, Chappel's, 2 sizes . . .
7545 Yankauer's, Rotatable Needle . . .
7546 " Ring Knot Tightener . .
7547 " Double Hook Forceps . .
7548 Suture Needles; Yankauer's, various models, A, B, C, D, E . . . . .
7555 Septum Needle, Killian's . . . .
7557 " " Hetrick's . . . .
7558 Knot Tyer, Hetrick's . . . . .

Nasal Instruments





Instruments in the list below fit handle No. 7535. Can be supplied with fixed handles if so ordered.

7575 Septum Knife, straight . . . .
7576 " " convex . . . .
7577 " " Barnes' . . . .
7578 " " " full curve . .
7579 " " Seiler's . . . .
7580 " " Douglas' . . . .
7581 " " Allen's . . . .
7583 " " Douglas' . . . .
7584 " " Killian's . . . .
7588 Spokeshave, Beren's, 2 sizes . . .
7589 Spokeshave, Nichol's, 2 sizes . . .
7590 Plain Nasal Chisel . . . . .
7591 " " Gouge . . . . .
7592 Nasal Gouge, Hajek's, 3 sizes . . .
7593 Plough " Woake's, right and left .
7594 Nasal Curette, Grunwald's, straight . .
7595 " " " bent . .
7596 " " " large, bent .
7597 " " " bent up, large .
7598 " " Schaeffer's, oval . .
7599 " " " round . .
7600 Sharp Hook, Hajek's . . . .
7601 Dull Hook, Hajek . . . . .

Nasal Instruments

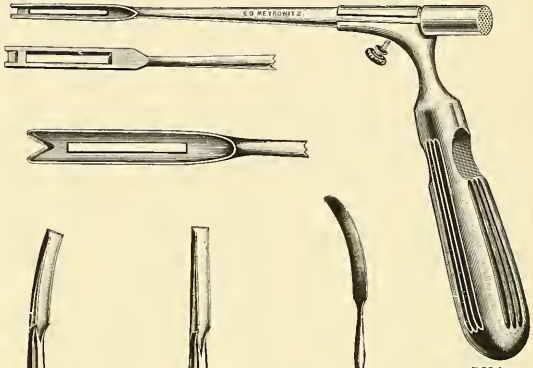
7610

7612 7613

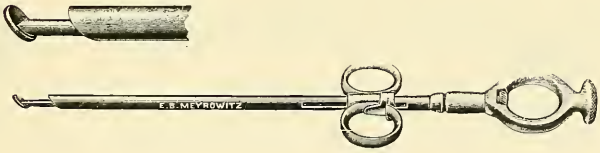
7616

7617

7618



7624

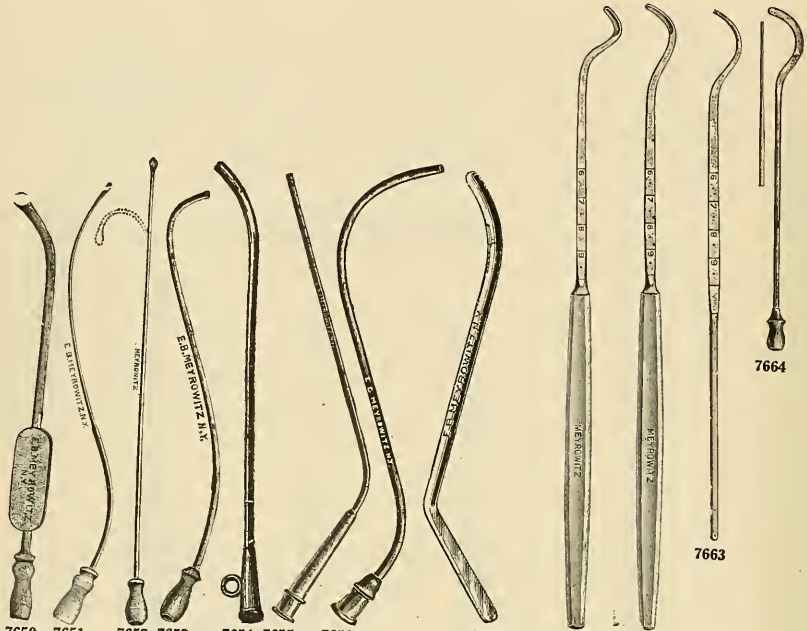


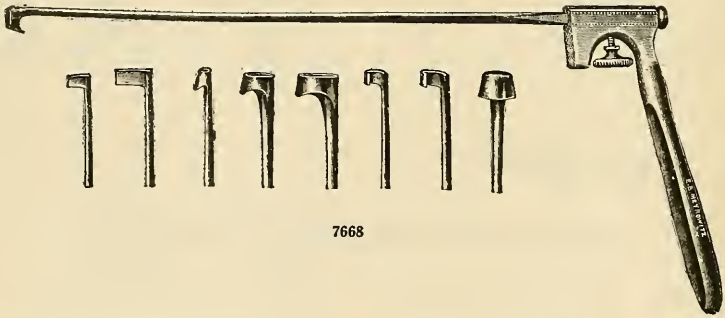
7626

7610 V-shaped Chisels, Ballenger's, 3 sizes .
7612 Nasal Chisel, flat, Spratt's . . . .
7613 " " curved, Spratt's . . .
7616 Frontal Sinus Chisel, Killian's, curved .
7617 " " " " straight .
7618 " " Protector, Killian's . .

7624 Metzenbaum's Set Chisels and Gouge for removing spurs and bony ridge of septum, with handle . . . .
7626 Guarded Frontal Sinus Chisel, Yankauer's . . . . . .

Nasal Instruments

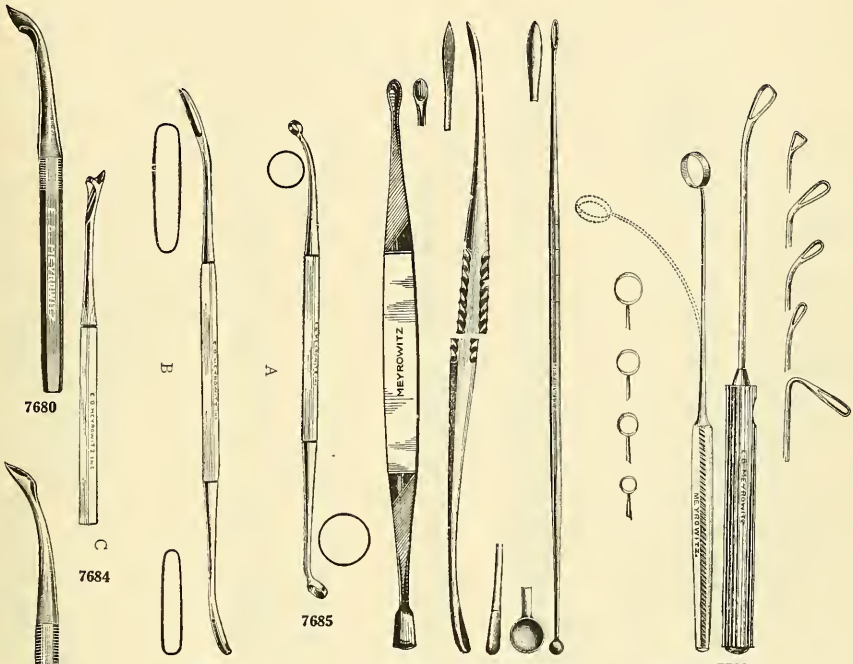


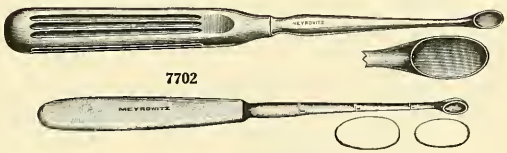


7650 Antrum Washing Tube, Killian's . .
7651 Frontal Sinus Washing Tube, Killian's .
7652 Antrum Washing Tube, flexible, 3 sizes . . . . . .
7653 Antrum Washing Tube, Hartmann's, flexible . . . . . .
7654 Antrum Washing Tube, Coakley . .
7655 " " " openings in side . . . . . .
7656 Antrum Washing Tube, Grunwald's . .

7659 Frontal Sinus Dilators, Freeman's, 8 sizes . . . . . .
7661 Sphenoidal Knife, Andrew's . . .
7662 Ethmoidal " " . . .
7663 " Probe " . . .
7664 Sinus Washing Tube, Andrew's, very thin . . . . . .
7668 Myles' Sinus Chisels and Gouges, set with handle, separate chisels or gouges of this set will be supplied . .

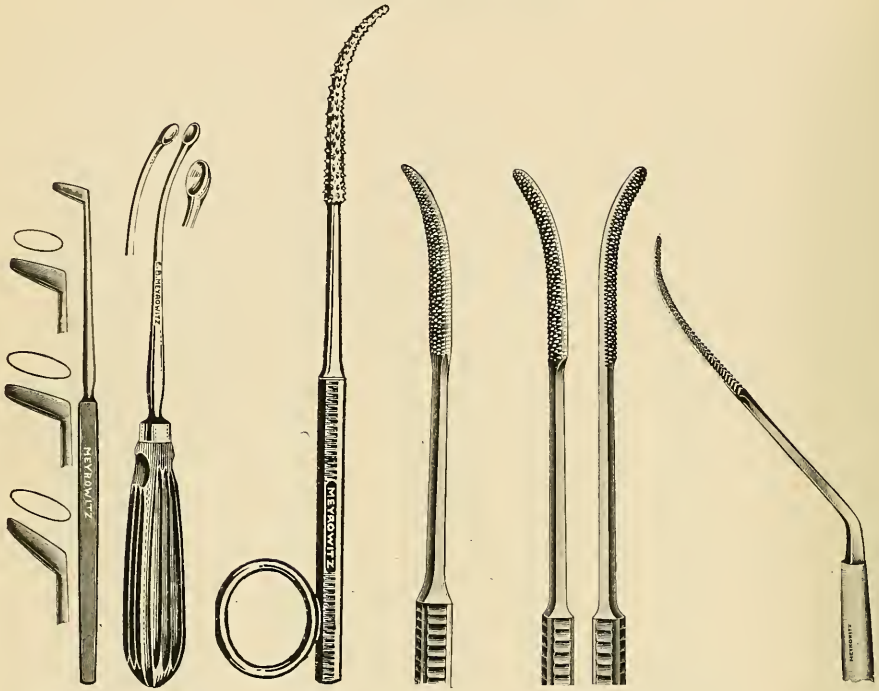
Nasal Instruments



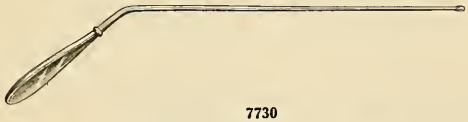


7680 Antrum Gouge, Curtis' . . . . .
7681 " " " backward cutting . . . . . .
7684 Antrum Gouge, Falkner's . . . .
7685 Ethmoid Curette, Faulkner's . . . .
7686 " " " new model .
7687 Frontal Sinus Curette, Faulkner's . .
7688 Curette and Gouge, Bryant's . . .
7689 Double Curette, Schaeffer's . . .
7690 Antrum Curette, Myles', flexible shank, 5 sizes . . . . . .
7700 Antrum and Sinus Curettes, Coakley's, 6 patterns . . . . . .
7701 Ethmoid Curette, Mosher's . . .
7702 Antrum " Dunn's . . .

Nasal Instruments



7703 7705 7715 7716 7718 7717



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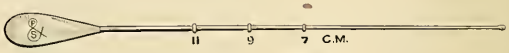

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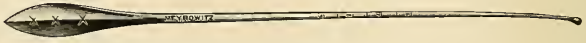
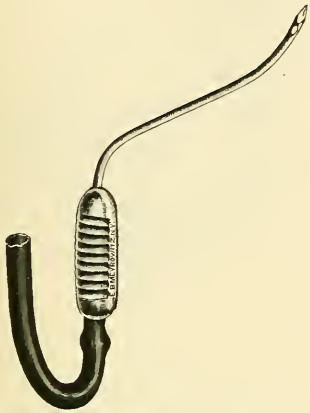


7729

7703 Frontal Sinus Curette, Worthington's, 3 styles . . . . . .
7705 Frontal Sinus Curette, Halle, concave or convex . . . . . .
7715 Antrum Rasp, Good's . . . . . .
7716 Frontal Sinus Rasp, Thompson, 2 curves, grooved on back for guiding over sinus probe . . . . . .
7717 Frontal Sinus Rasp, Brawley's . . .
7718 Antrum Rasps, Gallaher's, grooved, concave or convex . . . . . .
7725 Antrum Drill, Cohen's . . . . .
7728 Frontal Sinus Probes, graduated, Skillern . . . . . .
7729 Frontal Sinus Probe, graduated, 3 sizes, Coakley's . . . . . .
7730 Antrum and Sinus Probe, flexible . .

Nasal Instruments



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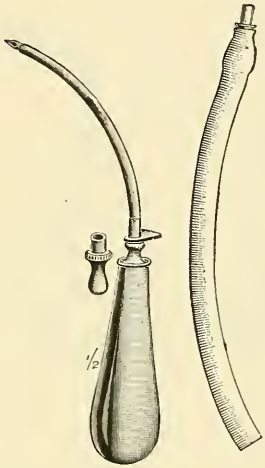

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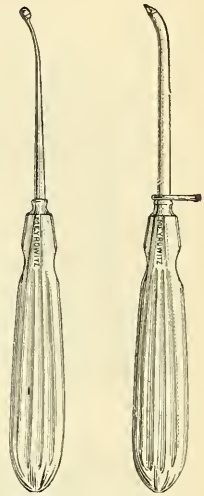
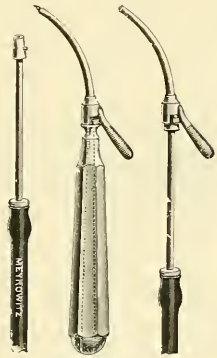


7753

7750



7754

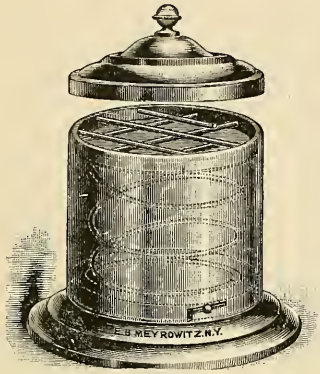
7756

7757

7758

7750 Antrum Trocar Needle, right and left, Killian's . . . . . .
7751 Antrum Trocar, Douglass' . . . .
7752 " " Pierce . . . .
7753 " " Halle, with sharp and blunt obdurators . . . . . .
7754 Antrum Trocar, Coakley's, with water-tight bayonet connecting washing tube .
7755 Antrum Trocar, Charlton's . . . .
7756 " " Gatewood's . . . .
7757 " " Gallaher's . . . .
7758 " " Fletcher's . . . .

Nasal Instruments



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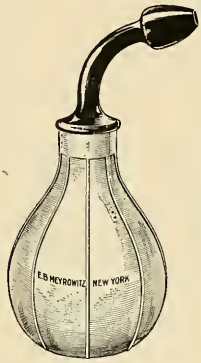

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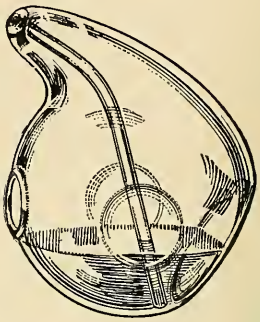

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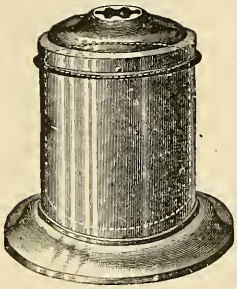
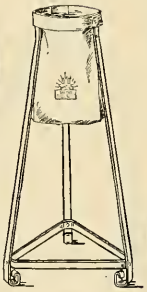


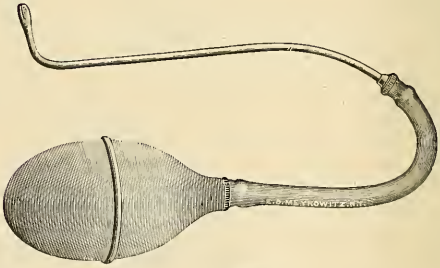
7801

7815-7816

7808



7807

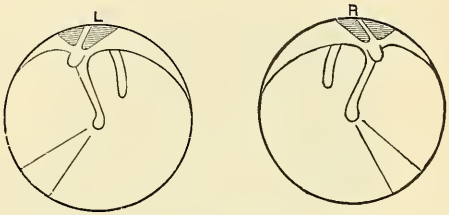


7820

7800 Cotton Container, with cover and spring actuated automatic feed. . .
7801 Cotton Waste Box, with glass receptacle . . . . . .
7805 Paper Waste Receptacles, large . .
7806 " " " small . .
7807 Floor Stand for above . . . . .
7808 Desk Attachment for above . . .
Above paper waste receptacles are water proof and intended to be burned as used . . . . . .
7815 Post Nasal Syringe, hard rubber, 1 oz. . . . . .
7816 Post Nasal Syringe, hard rubber, 2 ozs. . . . . .
7820 Post Nasal Syringe, Holmes', fan shaped stream, metal tube and rubber bulb . . . . . .
7822 Nasal Douche, hard rubber nose piece, 6 oz. bulb . . . . . .
7824 Nasal Douche, Fowler's, the beak of the instrument is placed in the nose and the patient blows through the round opening, forcing the liquid upwards into the nostril. Clean and convenient . . . . . .

Rubber Outline Stamps for Recording Diseases in Case Book

7875



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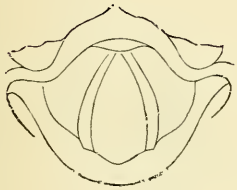

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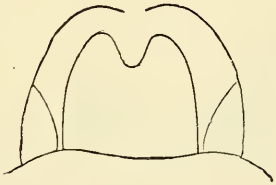

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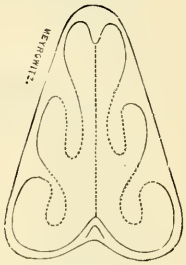
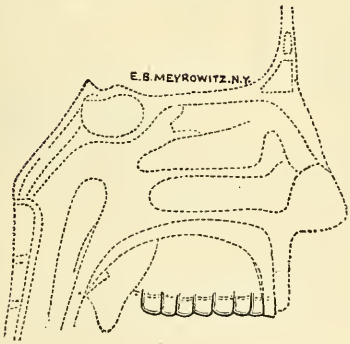
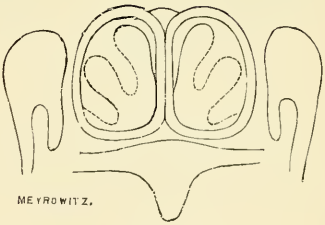


7879



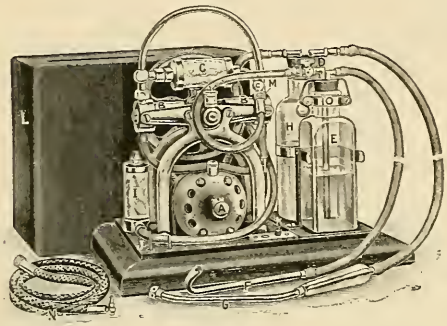
7877



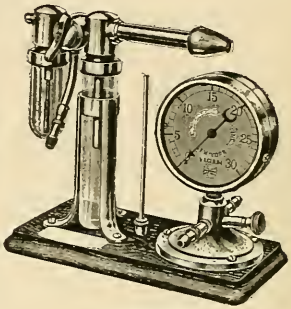
7878

7875 Rubber Stamps of Tympanum, right and left, per pair . . . . . .
7876 Rubber Stamps of Tympanum, right and left, large, per pair . . . . .
7877 Rubber Stamps of Nasal Passage, profile view . . . . . .
7878 Rubber Stamps of Nasal Passage, posterior view . . . . . .
7879 Rubber Stamps of Nasal Passage, anterior view . . . . . .
7880 Rubber Stamps of Vocal Cords . .
7881 " " " Uvula . . .

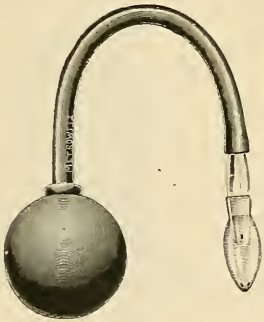
Aspirating and Anesthesia Apparatus



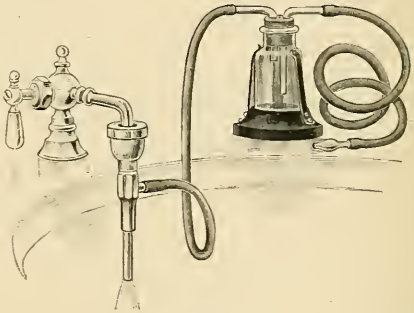
7900



7912-7915



7910



7907

7900 Portable aspirating and anesthetizing outfit. Operated by either direct or alternating current. Complete with ether and aspirating bottles; ample pressure and suction for both purposes. Complete with carrying case .

7907 Suction Apparatus, Brawley's, for attachment to faucet, the water pressure producing suction in the bottle. Complete as illustrated . . . .

7910 Suction Apparatus, Sonderman's, consisting of special extra heavy rubber bulb with two-piece, easily cleaned glass nose piece. Aspirated material cannot reach bulb . . . . . .

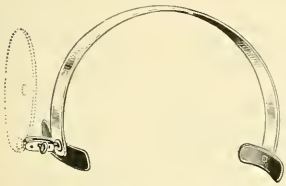
7912 Sinus Treatment and Suction Apparatus, Coffin's, for attachment to any suction producing instrument. Consists of nebulizer and aspirator. After sinus is cleanly aspirated a valve is turned and medicated vapor is delivered to sinus . . . . . .

7915 Same as above on stand with gauge . . . . . .

Throat Instruments

8032

8004



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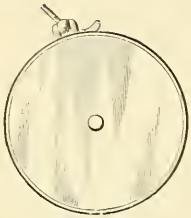
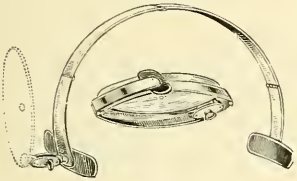


8040-8042



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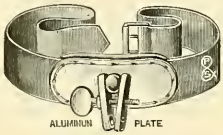
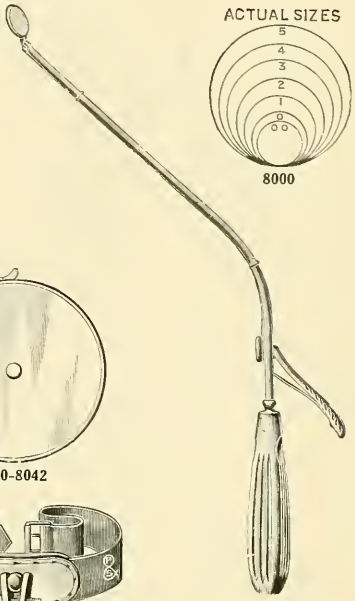


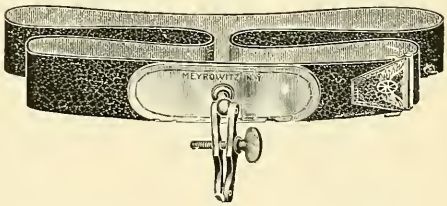
8022

8030



8000

8010



8023

8000 Throat Mirrors, boilable, 7 sizes, without handle . . . . . .
8002 Throat Mirrors, all metal, 6 sizes, without handle . . . . .
8004 Universal Handle for above mirrors . .
8010 Rhinoscope, adjustable, Michel's . .
8020 Headband, metal plate, silk strap . .
8022 " " " with pad, silk strap . . . . . .
8023 Headband, metal plate with pad, heavy leather band, double ball swivel . .
8024 Headband, metal plate with pad, heavy leather band, single ball swivel . .
8027 Headband, spring metal . . . .
8028 Headband, spring metal, folding . .
8030 " hard rubber, continental . .
(In ordering give size of hat)
8031 Headband, hard rubber, adjustable . .
8032 " fibre, adjustable . . .
8040 Head Mirror, aluminum, 3″ diameter, large opening . . . . . .
8041 Head Mirror, aluminum, 3½″ diameter, large opening . . . . .
8042 Head Mirror, aluminum, 4″ diameter, large opening . . . . .
8044 Head Mirror, brass, 3″ . . . .
8045 " " " 3½″ . . . .
8046 " " " 4″ . . . .

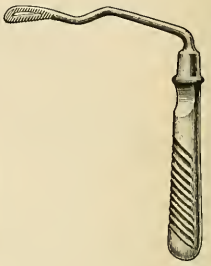
Tongue Depressors

8060

8061

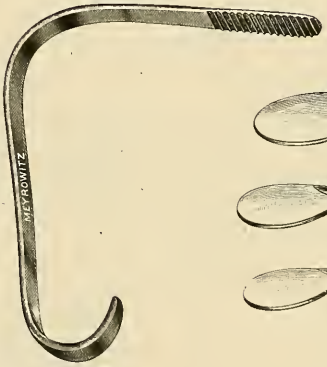
8063

8062


8064

8065

8066



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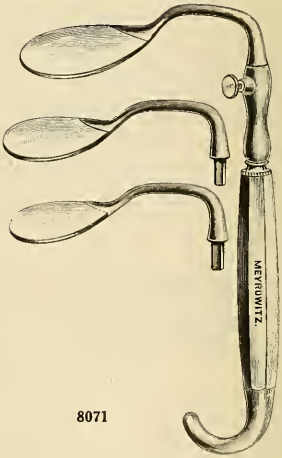

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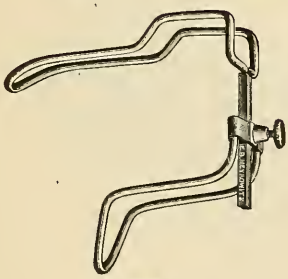

8070

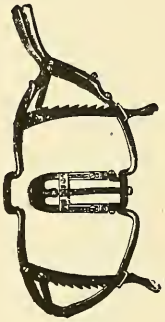
8060 Tongue Depressor, Bosworth's . . .
8061 " " Cohen's . . .
8062 " " Farlow's . . .
8063 " " Frankel's . . .
8064 " " Layman's, 2 sizes .
8065 " " Frankel's, modified .
8066 " " Sass' . . .
8067 " " Sawtell's . . .
8068 Tongue Depressor, Freligh . . .
8069 " " Andrew's . . .
8070 " " self-retaining, Herzig's, 2 sizes . . . . .
8071 Tongue Depressor, Turk's, with 5 interchangeable blades . . . .
8072 Tongue Depressor, Turk's, one fixed blade . . . . . .

Mouth Gags

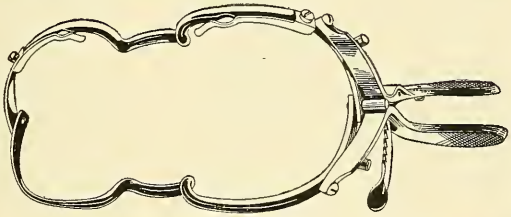
8100

8102

8101

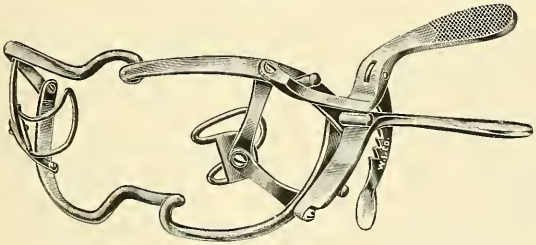


8106



8108-8110

8120

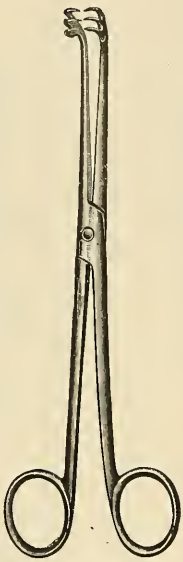


8113

8100 Mouth Gag, Denhart's . . . .
8101 " " with ether tubes . . .
8102 " " Jansen's or Doylan's . .
8103 " Gags, " " " with ether tubes . . . . . .
8104 Mouth Gags, Whitehead's, two sizes . .
8105 " " " " " . . with ether tubes . . . . . .
8106 Mouth Gags, Whitehead's, with tongue depressor, two sizes . . . .
8107 Mouth Gags, Whitehead's, with tongue depressor and ether tubes . . .
8108 Mouth Gags, Jennings' (no springs) . .
8109 Mouth Gags, Jennings' with ether tubes . . . . . .
8110 Mouth Gags with springs, Braun-Jennings' . . . . . .
8112 Mouth Gags, Braun-Jennings', with ether tubes . . . . . .
8113 Mouth Gags, Dann-Jennings' . . .
8114 " " " " with ether tubes . . . . . .
8115 Mouth Gags, Jennings', with electric light attachment . . . . .
8116 Mouth Gags, Jennings', with electric light attachment and ether tubes . .
8120 Palate Retractor, White's . . . .

Tonsil Instruments

8150

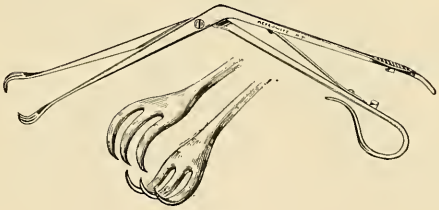


8152

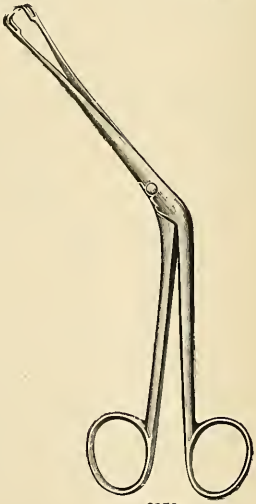
8153

8154

8155



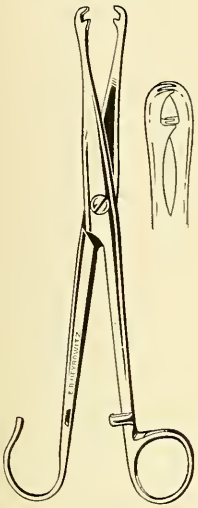
8157



8158

8150	Tonsil Forceps,	Robertson's	. . . . .
8151	" "	" with catch	. . .
8152	" "	Roberts'	. . . . .
8153	" "	Lovell's	. . . . .
8154	" "	Richards'	. . . . .
8155	" "	Abraham's	. . . . .
8156	" "	Palmer's	. . . . .
8157	" "	Moraweck	. . . . .
8158	" "	Tydings'	. . . . .

Tonsil Instruments



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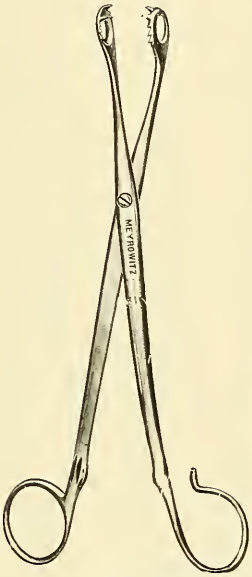

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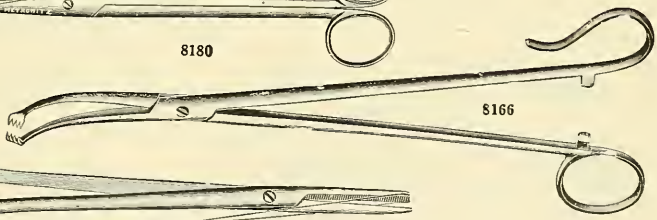
8165

8180



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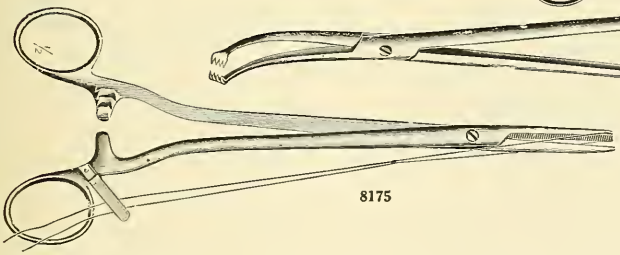


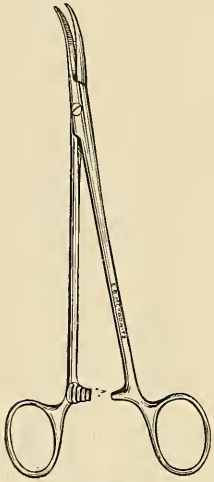
8175

8162 Tonsil Forceps, Page . . . . .
8163 " " Eves . . . . .
8164 " " Demarest . . . .
8165 " " Ballinger . . . .
8166 " " White's . . . . .

8175 Tonsil Hemostat Forceps, Rosenheim, slot on jaw and spring on ring for carrying suture . . . . . .
8180 Tonsil Suture Knot Tyer, Jervey's . .

Tonsil Instruments

8210



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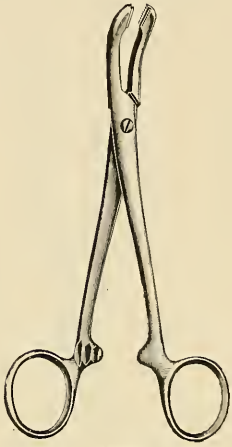
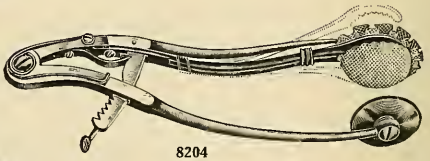


8201

8190

8202

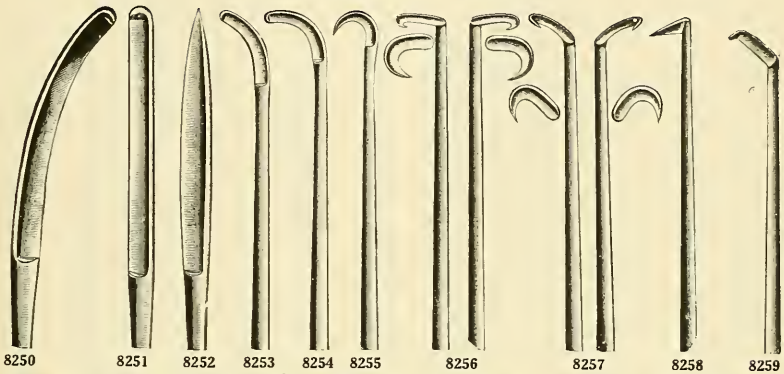


8204

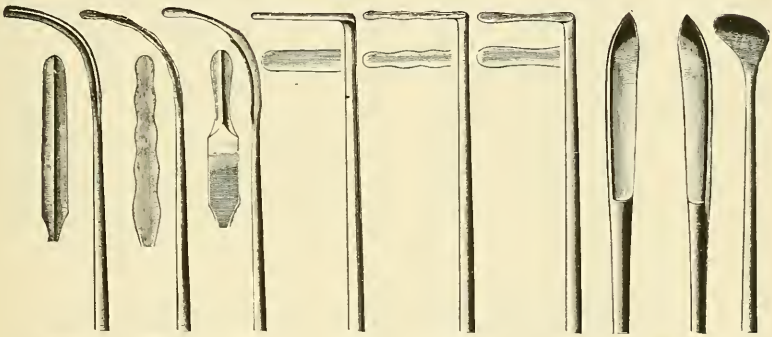
8203

8190	Tonsil Sponge Forceps, straight, 2 lengths	. . . . .
8191	" " " curved	. . . . .
8200	" Hemastatic Forceps, Schmidt's	. . . . .
8201	" " " Beck's	. . . . .
8202	" " " Mikulicz's	. . . . .
8203	" " " Boettcher's	. . . . .
8204	" " " Corwin's latest model with ring for holding gauze	. . . . .
8205	Tonsil Hemastatic Forceps, Howes'	. . . . .
8210	Double Screw Tenaculum, Carter's	. . . . .

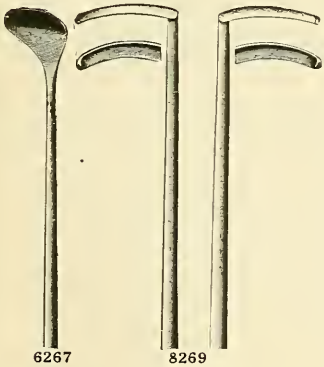
Tonsil Instruments



8250 8251 8252 8253 8254 8255 8256 8257 8258 8259



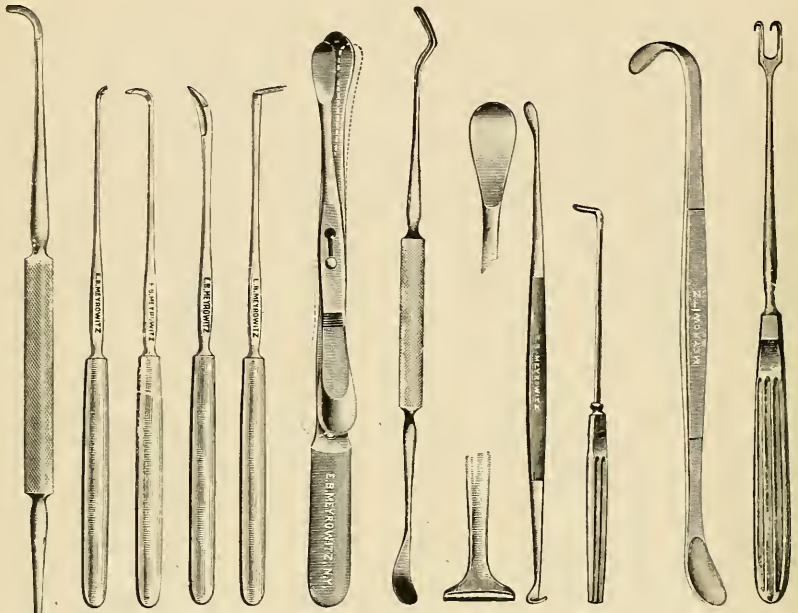
8260 8261 8262 8263 8264 8265 8266 8267



6267 8269

8250 Tonsil Knife, Hobb's right and left, each . . . . . .
8251 Tonsil Knife, Heryng's . . . . .
8252 " " " sharp point . .
8253 " " slightly curved . . .
8254 " " Tyding's . . . .
8255 " " Myles', full curve . .
8256 " " " right and left, each . . . . . .
8257 Tonsil Knife, Myles', angular, right and left each . . . . . .
8258 Tonsil Knife, Kyle's, crypta . . .
8259 " " Douglas's . . . .
8260 " " Robertson's . . .
8261 " " " Allport's . .
8262 " " " Swan's . .
8263 " " Abraham's . . . .
8264 " " Allport's . . . .
8265 " " Swan's . . . .
8266 " " Freer's, right and left, each .
8267 " " Pierce's large and small "
8269 Tonsil Knife, Leland's, right and left, each . . . . . .

Tonsil Instruments



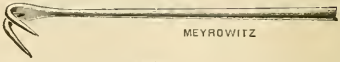
8275 8276 8277 8278 8280 8281 8290 8291 8292 8302

8279

8293

8297

8300



8304

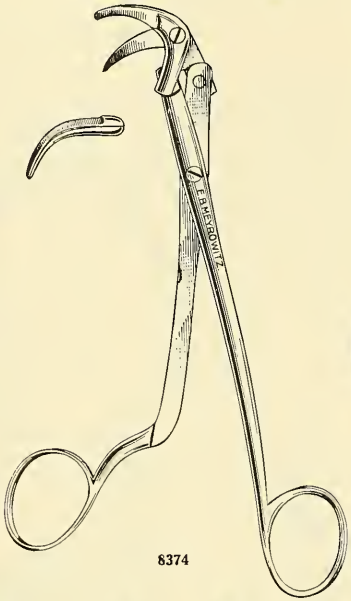
8275 Tonsil Curette, Abraham's . . . .
8276 " Knife, curved, Abraham's . .
8277 " Scalpel, double edged, Abraham's .
8278 " Knife, hoe-shaped, Abraham's .
8279 " " Tyding Makuen . . .
8280 " " adjustable, right or left, sharp or dull, McCoy's . . . .
8281 Tonsil Knife, double, Carpenter's, new model . . . . . .
8290 Tonsil Separator and Retractor, Hurd's .
8291 Tonsil Separator, Pond's, serrated . .
8292 " Enucleator, McWhinnie . .
8293 " Separator, Yankauer's . . .
8294 " " " for children . . . . . .
8297 " Curette, Meierhof . . . .
8300 " Suture Needle, Douglass' . .
8302 Double Tenaculum . . . . .
8304 " " Boetcher's . . .

Tonsil Instruments

8350

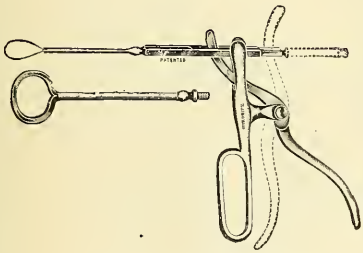
8370–8371

8372



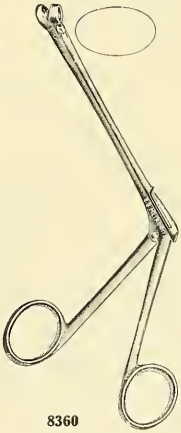
8374

8390



8391

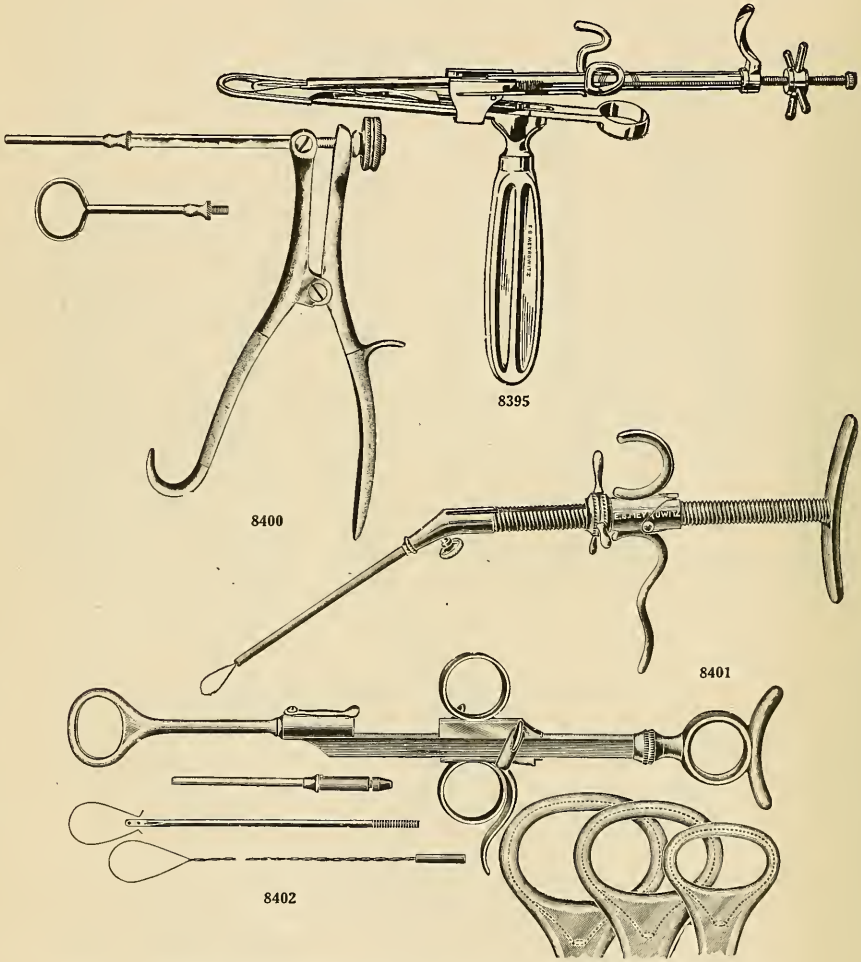
8362



8360

8350	Lingual Tonsilotome, Myles'	. . . . .
8360	Tonsil Punch, Hartmann's, oval	. . . . .
8362	" " Hawkbill	. . . . .
8370	" Scissors, Prince's	. . . . .
8371	" " Yankauers's, as above but serrated	. . . . .
8372	" " Griffin's	. . . . .
8374	" " Robertson's, right and left	. . . . .
8390	" Snare, Eves	. . . . .
8391	" " Tyding's, with plain and one ring canula	. . . . .

Tonsil Snares



8395 Tonsil Snaretome, Braun's, combination of Sluder tonsilotome and snare. Set consists of two snares and one tonsilotome. (Send for reprint) . .

8396 Mouth Gag, for use with above instrument with springs for holding snare (See 8110) . . . . . .

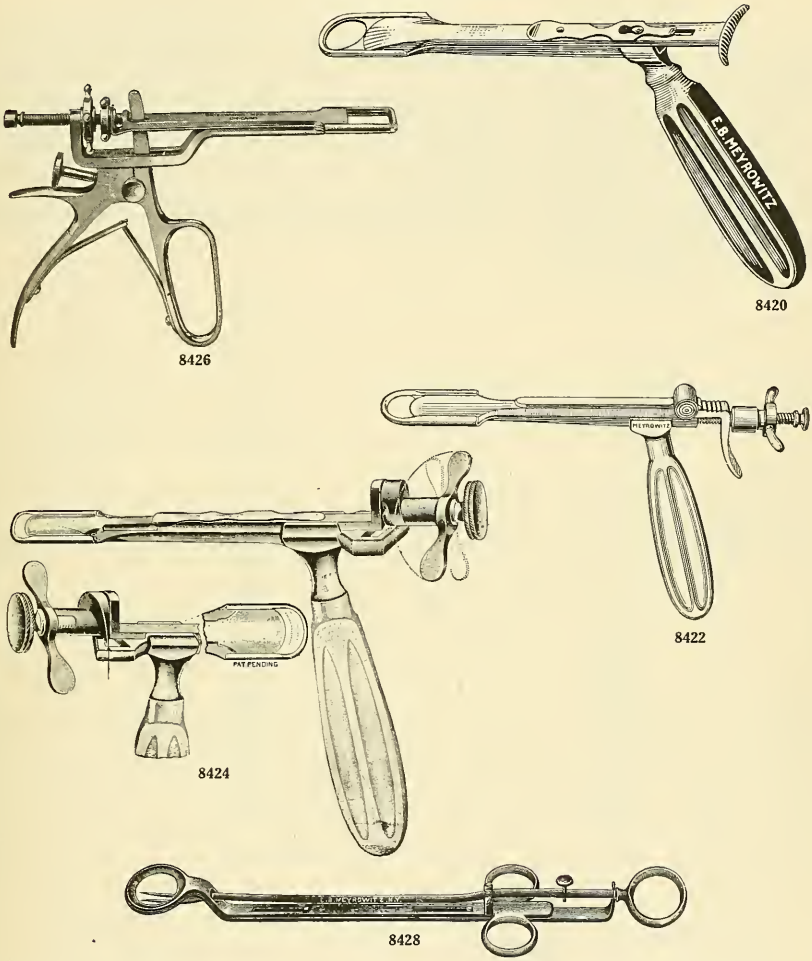
8400 Tonsil Snare, Brown's . . . . . .

8401 " " Bosworth's . . . . . .

8402 " " Beck-Schenck, with straight and one ring canula . . .

8403 Extra Ring Canula, for above, three sizes . . . . . .

Tonsilotomes



8420 Sluder Tonsilotome, 3 sizes . .

8422 " " as modified by Sauer, this instrument is provided with a lever and, in addition, a screw for forcing the blade forward, also with a ratchet to prevent blade being accidentally pushed back, 2 sizes . . . . . .

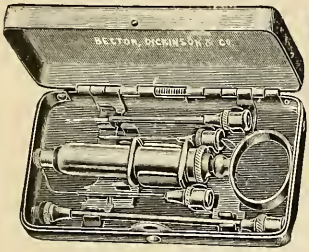
8424 Demarest-Sluder tonsilotome. This instrument is provided with a cam for forcing blade forward, 2 sizes . .

8426 Laforce Tonsilectome with separately operated hemastatic and cutting blades, scissor handle . . . .

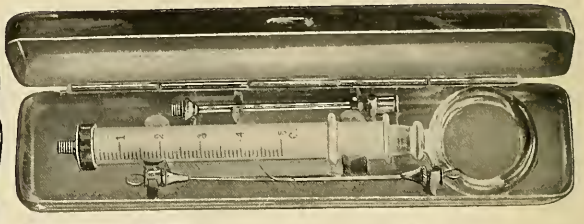
8427 Laforce Tonsilectome as above, with pistol grip . . . . . .

8428 Ruppert's Tonsilotome, bayonet shape, 3 sizes . . . . . .

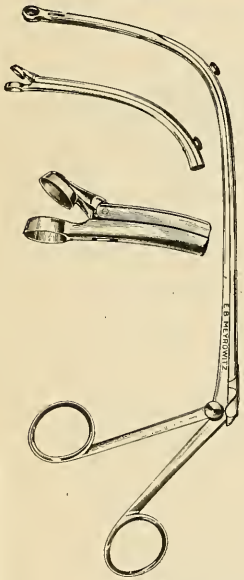
Tonsil and Laryngeal Instruments



8440



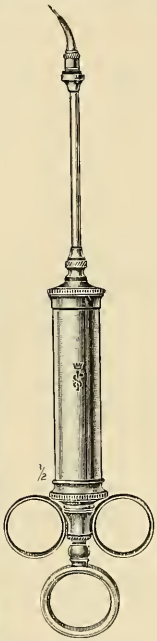
8441



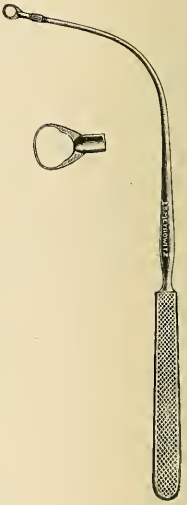
8470

8446

8447



8842



8478

8440	Tonsil Syringe, all metal syringe in all metal case with extension and three needles .
8441	Tonsil Syringe, all glass in metal case with extension and two needles . . .
8442	" " " metal, with renewable needle . . . . .
8445	" " needles, straight . . . . .
8446	" " " right angle . . . . .
8447	" " " sharp curve . . . . .
8448	" " " lesser " . . . . .
8470	Laryngeal Cutting Forceps, Killian's, lateral . . . . .
8471	" " " " anterior, posterior . . . . .
8475	" Lance, probe point, cutting forward . . . . .
8476	" " " " " backward . . . . .
8477	" " pointed . . . . .
8478	" Curette, Roe's, adjustable . . . . .

Laryngeal Instruments

8490

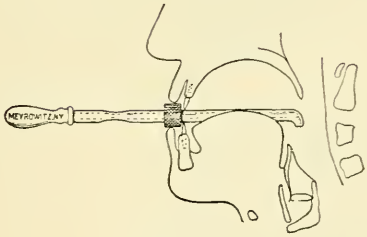
8491

8495 8496

8512

8510

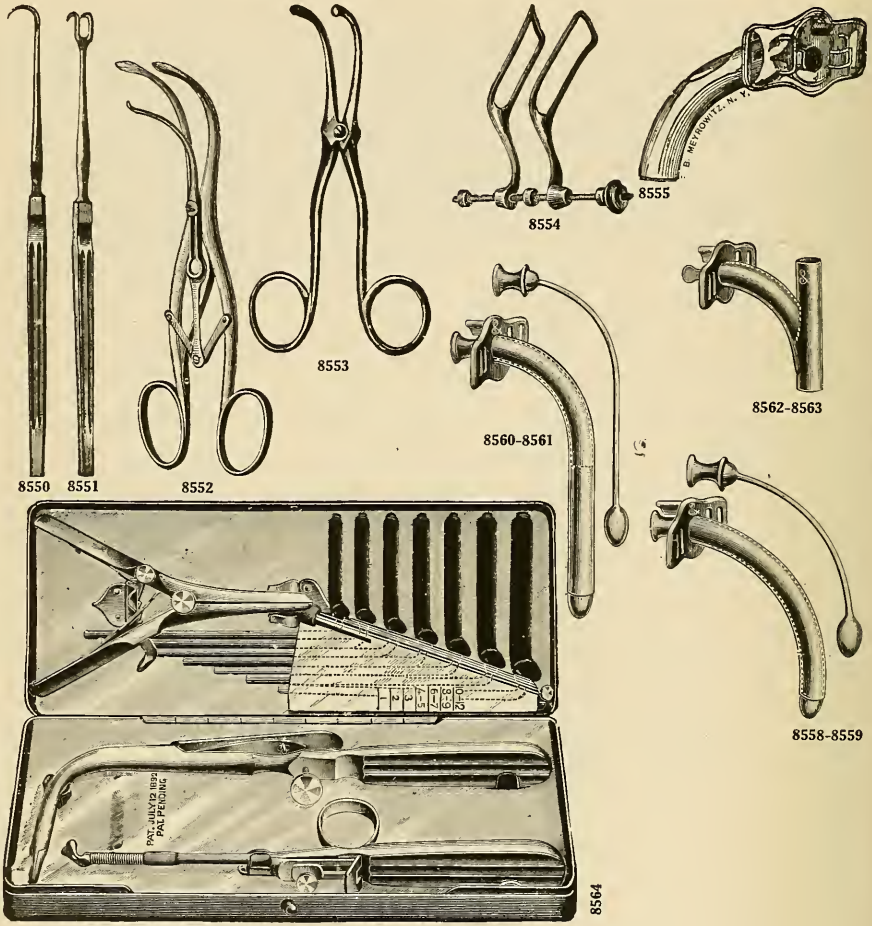
8515



8500

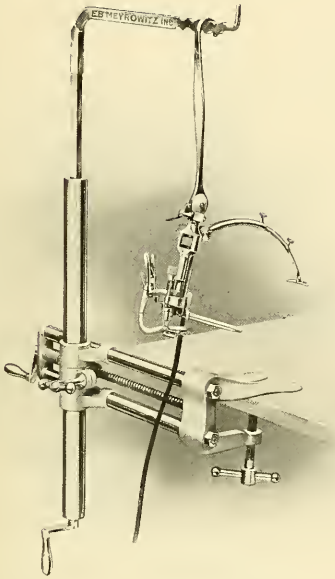
8490	Laryngeal Syringe, all glass, asbestos packing, ¼ oz	. . . .
8491	" " " metal, ¼oz.	. . . . .
8495	" Applicator, Kyles'	. . . . .
8496	" " Bosworth's	. . . . .
8497	" " Fischer's	. . . . .
8500	" Dropper, Yankauer's	. . . . .
8510	Esophageal Dilator, with 6 celluloid tips	. . . . .
8512	Bristle Probang, with removable bristle	. . . . .
8515	Laryngeal Probe	. . . . .

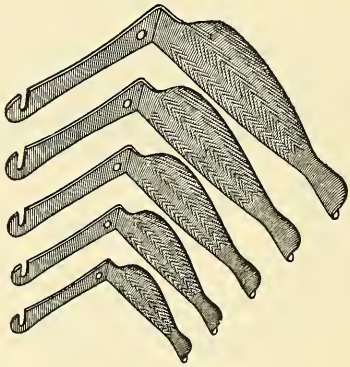
Tracheal and Intubation Instruments

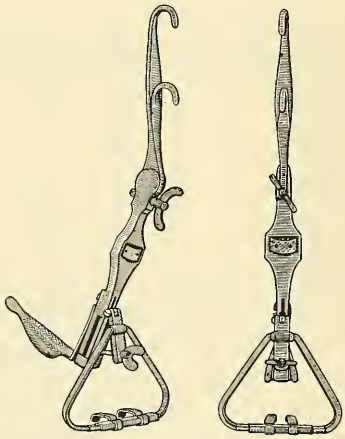


8550	Tenaculum, single
8551	" double
8552	Trachea Dilator, Laborde's, tri-valve
8553	" " Trosseau's, bi-valve
8554	" " Golding-Bird's
8555	Tracheotomy Tubes, sterling silver, No. 1,.....; No. 2,.....; No. 3,.....; No. 4,.....; No. 5,.....; No. 6,.....; No. 7,.....; No. 8,.....; No. 9,.....
8556	Tracheotomy Tubes, German silver, 6 sizes, each
8557	" " Aluminum, 6 sizes each
8558	" " Jackson's, full curve, silver, Nos. 1, 2 and 3,.....each; Nos. 4, 5 and 6, each
8559	Tracheotomy Tubes, Jackson's full curve, plated, Nos. 1, 2 and 3,.....each; Nos. 4, 5 and 6, each
8560	Tracheotomy Tubes, Jackson's, cane-shaped, silver, Nos. 1, 2 and 3,.....; Nos. 4, 5 and 6, each
8561	Tracheotomy Tubes, Jackson's, cane-shaped, plated, Nos. 1, 2 and 3,.....; Nos. 4, 5 and 6, each
8562	Laryngostomy Tubes, Jackson's, silver, Nos. 1, 2 and 3,.....; Nos. 4, 5 and 6, each
8563	" " " plated, Nos. 1, 2 and 3,.....; Nos. 4, 5 and 6, each
8564	Intubation Set, O'Dwyer's, scale, in and extubator, metal case

Suspension Apparatus







8600

8600 Lynch Suspension Apparatus including Crane and 5 sizes of spatulae . .

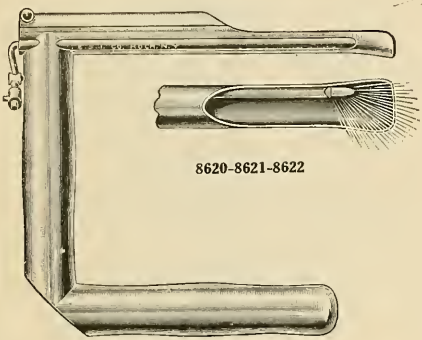
This outfit consists essentially of the crane, which is attached, by means of a clamp, to the end of the operating table, and the suspension apparatus proper, to which the spatulae are interchangeably attachable.

The crane may be raised and lowered or moved across the table by means of screws, provided for the purpose, and a clamp permits further up and down adjustment.

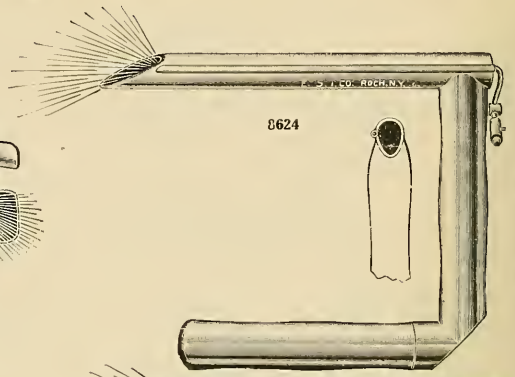
The suspension apparatus itself is made of two members joined together so that the angle made by them is adjustable by means of a quick acting worm. Two views of this part of the apparatus are shown, showing also the method of attachment of spatulae and the opening adjustment.

(The complete illustration shows an older form of suspension apparatus now discontinued. Details of the crane itself are correct).

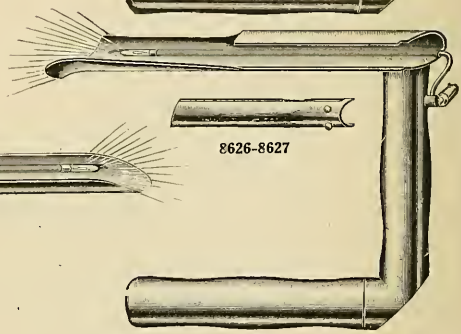
Bronchoscopic Instruments



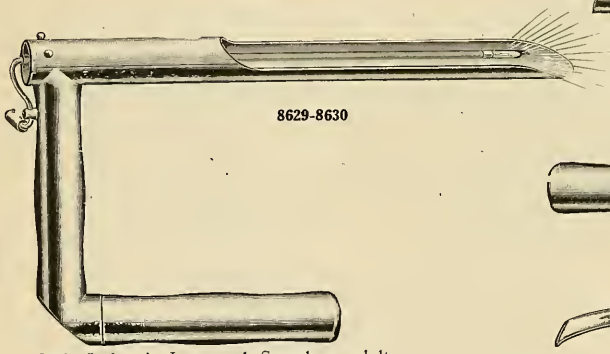
8620-8621-8622



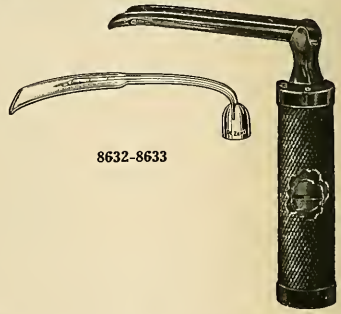
8624



8626-8627



8629-8630



8632-8633

8620 Jackson's Laryngeal Speculum, adult size, with slide, 14 mm. x 16 cm . .

8621 Jackson's Laryngeal Speculum, child size, 12 mm. x 14 cm. . . .

8622 Jackson's Laryngeal Speculum, infant size, 10 mm. x 9.6 cm. . . . .

The above instruments are for diagnostic, therapeutic and operative use on the larynx. Also for introduction of bronchoscopes, the removable slide permitting withdrawal of speculum after bronchoscopes are introduced .

8624 Laryngeal Speculum, heart shaped, Jackson's, for exposure of anterior comissure. Does not replace the slide speculum for general work or for introduction of bronchoscopes. Size 9 mm. x 7 mm. x 17 cm. . .

8626 Oval Slide Speculum, Jackson's, for insufflation and anesthesia and introduction of catheters. Adult size, 25 mm. x 14½ mm. x 16 cm. . . .

8627 Oval Slide Speculum, child's size, 23½ mm. x 12 mm. x 14cm. . . . .

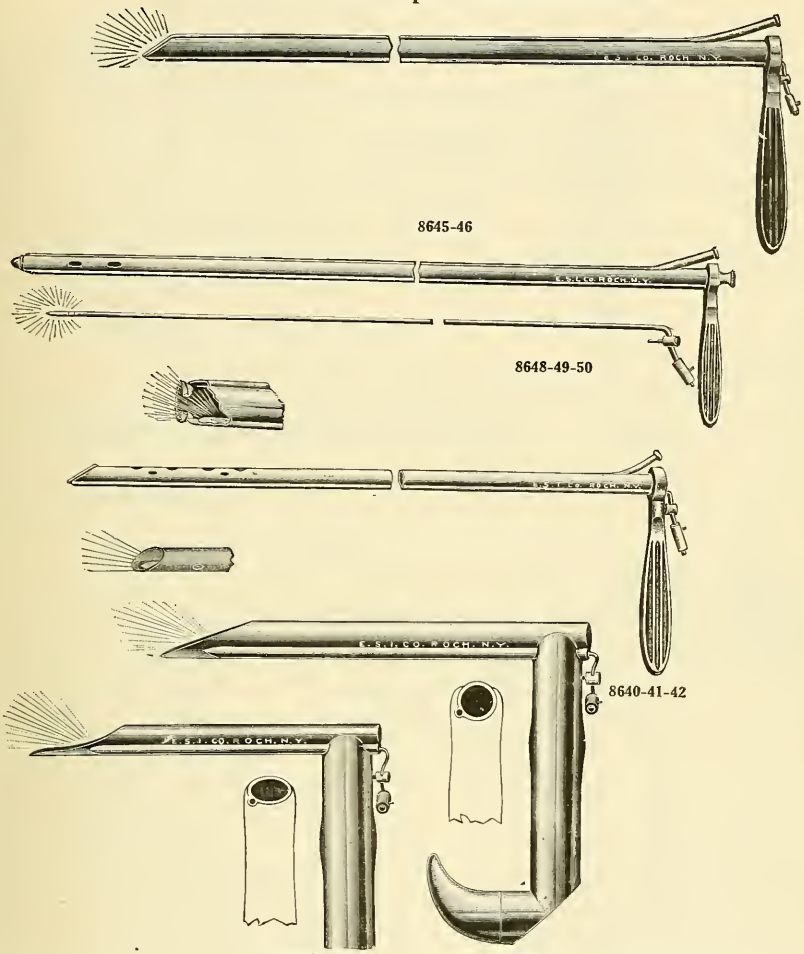
8629 Esophageal Speculum, for examination of upper esophageal tract. Adult size, 14 mm. x 24 cm. . . . .

8630 Esophageal Speculum, child's size, 12 mm. x 17 . . . . . .

8632 Laryngeal Speculum, battery handle, Pratt's, adult size . . . . .

8633 Laryngeal Speculum, battery handle, Pratt's, child size . . . . .

Bronchoscopic Instruments



8635 Lynah's New Oval Laryngeal Speculum . . . . . .

8636 Lynah's New Comissure Laryngeal Speculum . . . . . .

8640 Jackson's Bronchoscope, slanted ends without obdurator or auxiliary drainage tube. Adult size, 9 mm. x 40 cm. .

8641 Jackson's Bronchoscope, as above. Child size, 5 mm. x 30 cm. . . .

8642 Jackson's Bronchoscope, as above. Infant size, 4 mm. x 20 cm. . . .

8645 Esophogascope, slanted end with auxiliary drainage tubes, no obdurator. Adult size, 10 mm. x 53 cm. . . .

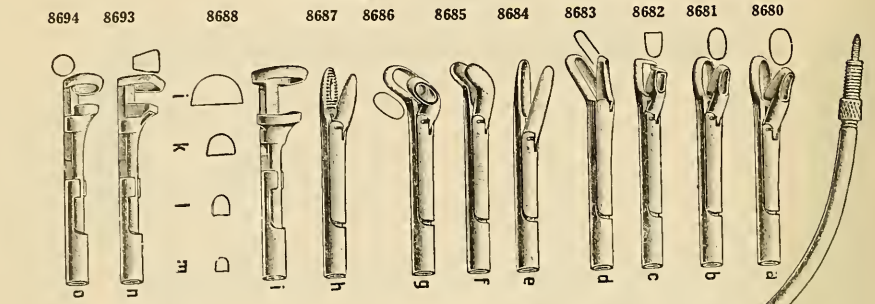
8646 Esophogascope, as above. Child size, 7 mm. x 45 cm. . . . . .

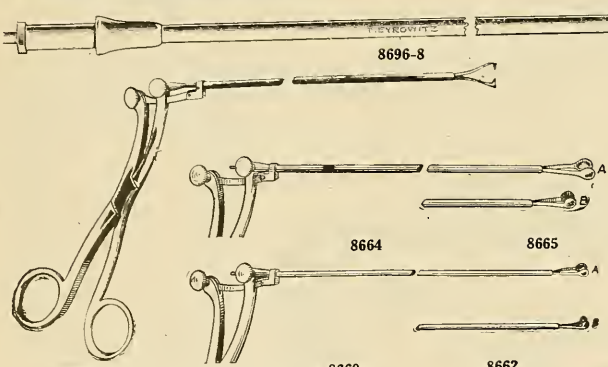
8648 Bronchoscope, Jackson's, for cases of excessive secretion and for drainage of lung abcesses, with auxiliary drainage tubes, 7 mm. x 45 cm. . .

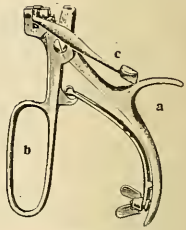
8649 Bronchoscope, Jackson's, as above, 5 mm. x 45 cm. . . . . .

8650 Bronchoscope, Jackson's, as above, 5 mm. x 30 cm. . . . . .

Laryngeal Instruments







8666 8660 8662 8679

8660 Bronchoscope Forceps, forward grasping, 40 cm.

8662 Bronchoscope Forceps, side grasping, 40 cm.

The above are extra light for use with the 4 mm. x 30 cm. and 5 mm. x 30 cm. Bronchoscopes only

8664 Bronchoscopic Forceps, Jackson's, forward grasping, 45, 50 and 60 cm. lengths

8665 Bronchoscopic Forceps, side grasping, 45, 50 and 60 cm. sizes

8666 Bronchoscopic Rotation Forceps, 45, 50 and 60 cm. sizes

8667 Bronchoscopic Rotation Forceps, 40 cm. extra light

8679 Universal Handle for instruments listed below

8680 Laryngeal Punch tip, fenestrated, Krause

8681 Laryngeal Punch tip, fenestrated, Krause smaller

8682 Laryngeal Punch tip, fenestrated, Krause church window form

8683 Laryngeal Punch tip, Struyken

8684 " " " Frankel

8685 " " " Scheinman

8686 " " " oval, bent sideways

8687 Laryngeal Foreign body tip, serrated

8688I " Punch tip for vocal cords, etc. Cordes extra large

8688K Punch tip for vocal cords etc. Cordes large

8688L Punch tip for vocal cords etc. Cordes medium

8688M Punch tip for vocal cords etc. Cordes small

8693 Punch tip for vocal cords etc. Cordes pyramid

8694 Punch tip for vocal cords etc. Cordes round

8695 Punch Forceps Canula, curved

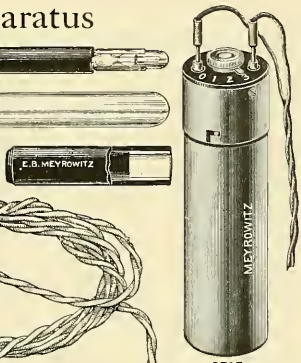
8696 " " " 20 cm. long, straight

8697 Punch Forceps Canula, 40 cm. long,

8698 " " " 56 " "

Illuminating Apparatus

8700



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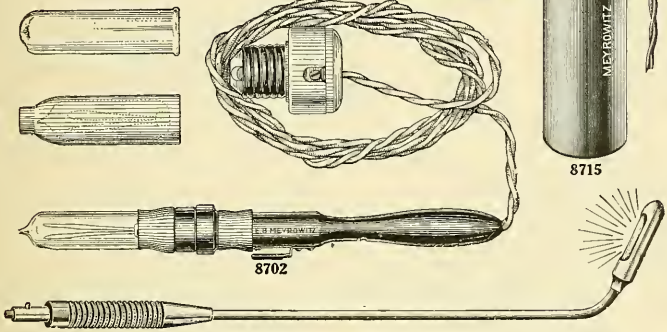
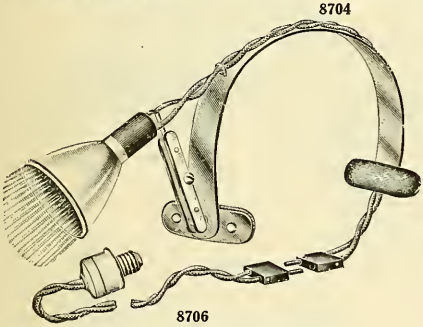
8705



8702

8704



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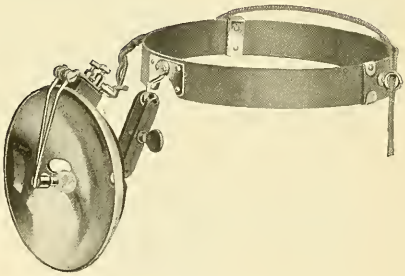


8710

8700 Transilluminator, Coakley's, with white lined, hard rubber tube for frontal sinus and glass tube for antrum examination. With switch in handle and conducting cords . . . . .

8702 Transilluminator, Jackson's, with 110 v. lamp, tapered soft rubber tube for frontal sinus and glass protecting tube for antrum, with switch on handle, conducting cords and attachment plug . . . . . .

8704 Post-nasal Illuminator and trans-illuminator, Kyles', without connecting cords . . . . . .

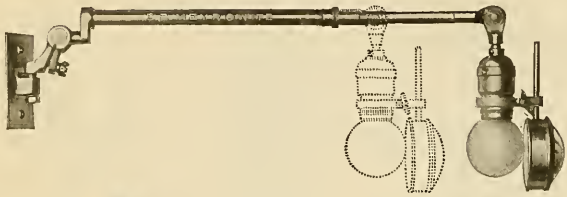
8705 Headlight, Phillips', adjustable focus, metal band . . . . . .

8706 Headlight, Pynchon's, with 110 v. lamp, metal head band, connecting wire, attachment plug and pole plug connector . . . . . .

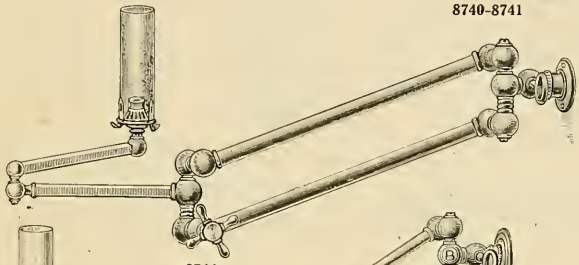
8710 Headlight, Klaar's, deep concave mirror with two openings, axes of vision and of illumination co-incident. Light carrying arm adjustable to focus illumination. Complete with adjustable fibre head band and connecting cord . . . . . .

8715 Pocket Battery, Young's, 7″ x 1½″. Flush sockets for cord terminals, employs regular commercial cell, procurable anywhere, will operate instruments listed on this page. Equipped with adjustable rheostat for controlling illumination . . . .

Illuminating Fixtures



8740-8741



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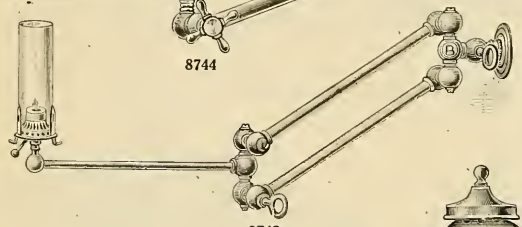

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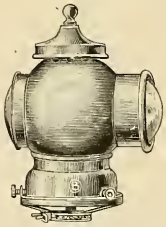


8760

8761

8751

8740 Electric light bracket, unlimited adjustment, up, down and laterally. Extreme extension, 24", telescoped together, 13". Guaranteed to wear and give satisfactory service, complete with wire, electric light socket and attachment plug. (No lamp).

8741 Electric light bracket as above, including open condenser and lamp

8743 Gas bracket, adjustable in any direction, light-carrying arm always horizontal. Total extension 24".

8744 Gas light bracket, 3 arm, unlimited adjustment, up, down and sideways. Light-carrying arm always horizontal

The above brackets may also be wired for electric light instead of gas or may be fitted for both gas and electricity.

8750 Electric light stand, heavy japanned base, telescoping upright, upper member flexible. With electric light socket, attachment plug and wire. No lamp.

8751 Electric floor stand as above with open condenser and lamp

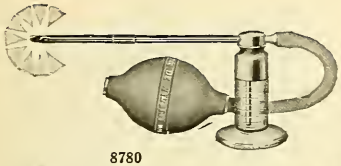
8755 Electric light stand, Coakley condenser, mounted in yoke on telescope stand with heavy japanned base. Contains adjustment for centering electric light bulb with respect to condensing lens. Complete with wire and attachment plug and including lamp

8760 McKenzie condenser for electric light

8761 " " " gas light

8762 Open condenser for electric light

Atomizers



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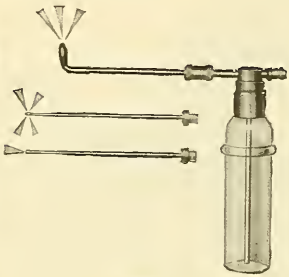

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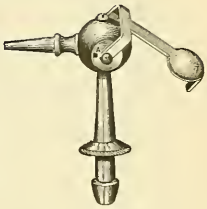
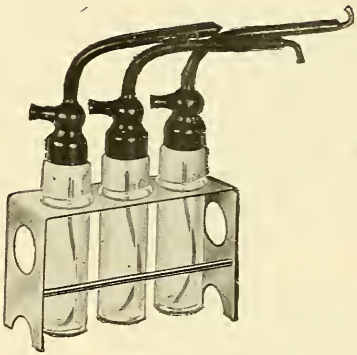


8793

8782 8783 8784
8786



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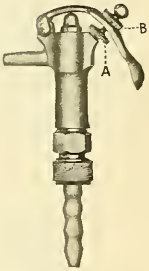

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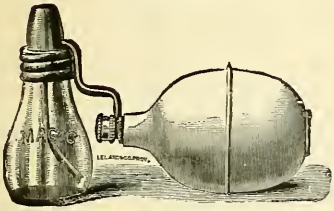

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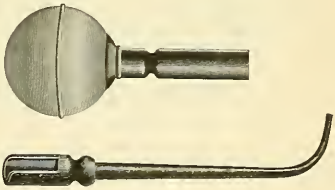
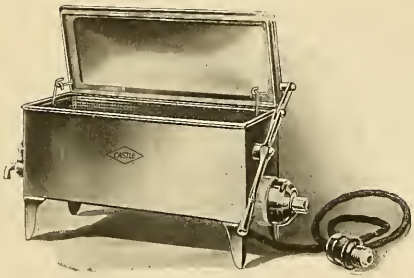


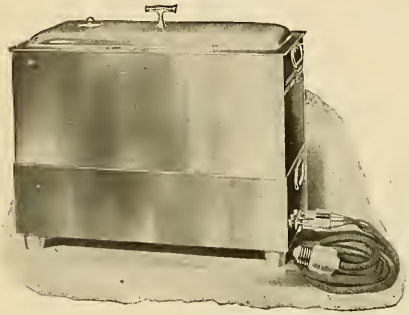
8790

8780 Atomer, with one dram amber colored bottle, specially for expensive solutions . . . . . .
8781 Patient's Atomer, with removable nasal guard . . . . . .
8782 De Vilbiss Nebulizer . . . . .
8783 " " Atomizer with adjustable tip . . . . . .
8784 De Vilbiss Powder Blower, with adjustable tip . . . . . .
8785 Atomer with post-nasal four-way and straight tubes for nasal work . .
8786 Three Piece Set, consisting of Nos. 8782, 8783, 8784 in metal rack . .
8787 Four Piece Set, consisting of 8782, 8783, 8784, 8785 and metal rack . .
8788 Hard Rubber Atomizers, set of three, straight, up and down tips, in metal rack . . . . . .
8789 Vaseline Atomizer . . . . .
8790 Powder Blower with bulb, scoop pattern . . . . . .
8793 Automatic cut-off . . . . .
8794 Automatic cut-off, De Vilbiss . . .

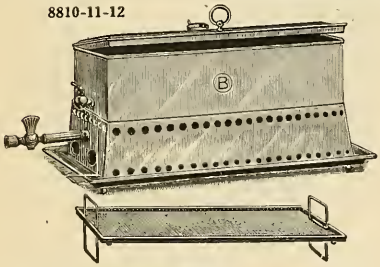
Sterilizers



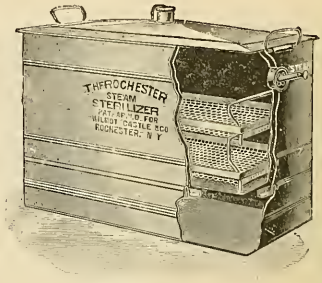
8815-16-17



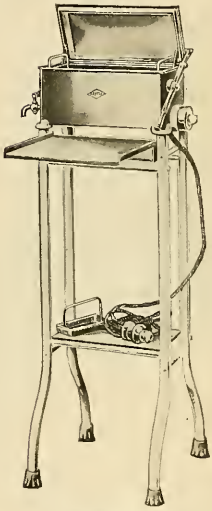
8810-11-12



8800



8801-2-3



8820-21-22

8800 Instrument sterilizer, 12" x 5" x 4". Metal drip base, tray, hinged cover with valve. Perforated tray with handles for instruments. Bunsen burner for gas . . . .

8801 Dressings and instrument sterilizer. Steam is admitted into the sterilizing chamber by a valve shown in the illustration. Steam may be turned off and instruments and dressings are then exposed to heat for drying. Chamber 10" x 4½" x 4½" .

8802 Dressings and instrument sterilizer as above. Chamber 14" x 6" x 6" .

8803 Dressings and instrument sterilizer as above. Chamber 16" x 6¾" x 7" .

8804 Gas stand for above sterilizers, aluminum finish . . . . .

8805 Gas stand for above sterilizers, white enamel finish . . . . .

8810 Dressings and instrument sterilizer, as described above but operated by electricity, 10" x 4½" x 4½" . . .

8811 Dressings and instrument sterilizer, as described above but operated by electricity, 14" x 6" x 6" . . . .

8812 Dressings and instrument sterilizer, as described above but operated by electricity, 16" x 6¾" x 7" . . .

8815 Instrument sterilizer, operated by electricity, provided with hinged cover operated by a long handle which simultaneously raises instrument tray out of the boiling water. Three-way switch for three degrees of heat. Spigot for drawing off water. Reliable automatic protective device which cuts off current if water boils away. 10¼" x 5" x 3" .

8816 Instrument sterilizer, as above 13" x 5" x 3¼" . . . . .

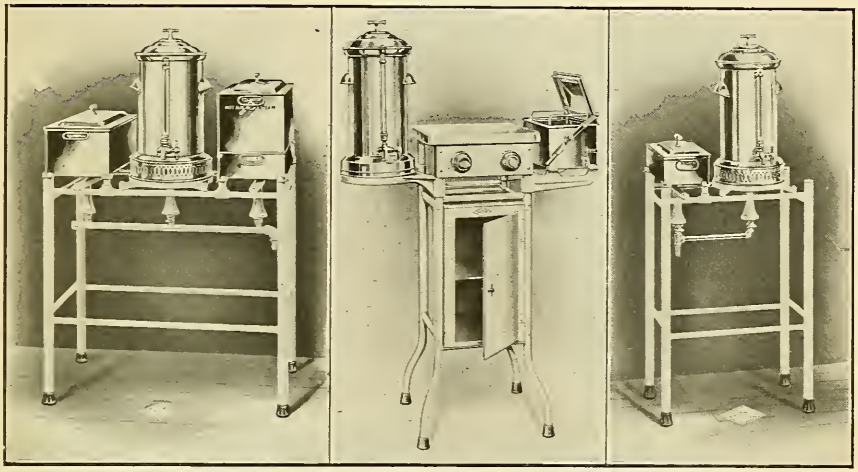
8817 Instrument sterilizer, as above. 16" x 6" x 3½" . . . . .

8820 Instrument sterilizer No. 8815 on high stand, 10½" x 5" x 3" . . . .

8821 Instrument sterilizer No. 8816 on high stand, 13" x 5" x 3¼" . . . .

8822 Instrument sterilizer No. 8817 on high stand 16" x 6" x 3½" . . . .

Sterilizers



8834-8835 8837 8830-8831-8832

8830 Instrument and Water Sterilizer, on white enamel stand. Instrument sterilizer 11″ x 5½″ x 3½″. Water sterilizer has capacity of 2 gal., floor space 16½″ x 12½″. May be heated with gas or electricity . .

8831 Sterilizing outfit as above. Instrument sterilizer 17″ x 8″ x 5″. Water sterilizer, 3 gal., floor space, 23″ x 18″. For gas or electricity . . .

8832 Sterilizing outfit as above. Instrument sterilizer, 24″ x 12″ x 17″, water sterilizer, 5 gal., floor space 31″ x 25″. . . . . .

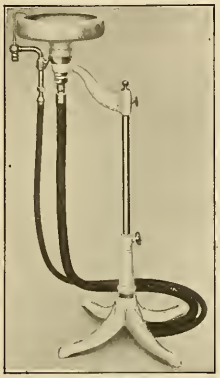
8834 Instrument, dressing and hot water sterilizing outfit. Dressing sterilizer, 10″ x 4½″ x 4½″, instrument sterilizer 11″ x 5½″ x 3½″, water sterilizer, 2 gal., floor space, 26″ x 12½″, gas or electrically heated . .

8835 Sterilizing Outfit, as above, dressing sterilizer, 16″ x 6¾″ x 7″, instrument sterilizer 17″ x 8″ x 5″, water sterilizer, 3 gal., floor space, 32″ x 18″ . .

8837 Sterilizing Outfit, for specialists, instrument sterilizer 11″ x 5½″ x 3½″, water sterilizer 2 gal. Porcelain enameled table top 14″ x 14″, cabinet 9½″ x 16″ x 14″ deep, floor space 19″ x 31″. For gas or electricity .

In ordering state whether gas or electricity is to be used.

Office Equipment



8850

8853

8860

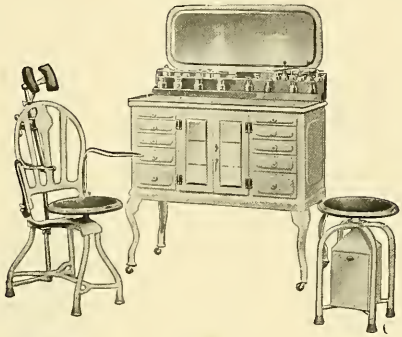
8850 Running Water Cuspidor, specialist type. Single bowl type of approved design. Bowl is of glass of various colors or of white porcelain, drainage and supply tubes in colors to match. Stand, white enameled, adjustable height . . . . . .

8851 Cuspidor, as above with black enamel stand . . . . . .

8853 Running Water Cuspidor, pedestal type, single bowl, similar in action to No. 8850, but the pedestal conceals all connections. No rubber tubing is used . . . . . .

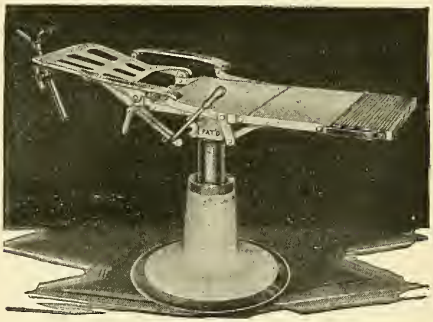
8860 Waste Pail Receptacle, consists of a white enamel outer container, cover of which is raised by means of a foot treadle, closes automatically Inner pail is provided with handle, heavy enamel to prevent rust, handle remains outside and clean . . .

Office Equipment



8880 8890 8885

8875



8875 (flat)

8875 Operating Chair, Holmes', hydraulic raising and lowering adjustment operated by foot pedal with immediate release and slow drop. Mounted on heavy metal pedestal, back inclinable, operating foot rest, automatically producing flat operating table top. Finished in white enamel and nickel plate . . . .

8880 Operating Chair, specialist's. Revolving, raising, and lowering seat. Back adjustable to any angle. Head rest raising and lowering and also removable and inclinable to any angle . . . . . .

8885 Examiner's Stool, with white enameled waste receptacle. Raising and lowering and revolving seat, 4 legs .

8890 Specialist's cabinet with mirror. Containing 10 drawers of varied depth and 2 glass door compartments. Cabinet is white enameled throughout with heavy plate glass top and two-row rack for bottles. Beautifully finished and of graceful design .

8891 Specialist's Cabinet as above, without mirror . . . . . .

Osteological Preparations

9000

9010

It is not possible to present a complete list of the osteological preparations in stock, as new specimens are being added constantly. Our collection often includes interesting anomalies and bones showing various operations. We shall be glad to furnish a list upon request, describing the models in stock, at any time. The following are stock preparations which we aim to have on hand at all times.

9000. Temporal Bones, sectioned, to show the bony structure of the middle ear, on stand . . . . . .

9002. Temporal Bones, sectioned, to show the drum with the small bones, malleus, incus and stapes mounted in their proper places . . .

9004. Temporal Bones, on which a mastoid operation has been done, and showing the drum, and small bones . . . . . .

9010. Skull, 7 sections, showing practically every part, septum, turbinates and all sinuses. Both temporal bones are removable and sectioned, one like No. 9000, the other like 9002 . . . . . .

PRICE LIST

Sixth Supplementary Edition Catalogue

EYE—EAR—NOSE AND THROAT INSTUMENTS

E. B. Meyrowitz INCORPORATED

OPHTHALMOLOGIC EQUIPMENT

JAN. 15th 1921

LONDON

520 FIFTH AVENUE, NEW YORK

PARIS

Page 2

4002	$142.00
4004	148.00
4006	153.00
4012	169.00
4014	174.00
4016	179.00
4022	191.00
4024	196.00
4026	201.00
4054	164.00
4056	169.00
4056G	174.00
4058	190.00
4060	194.00
4060G	201.00
4062	212.00
4064	217.00
4064G	229.00

Page 3

4100	42.50
4101	89.00
4102	135.00
4103	
4106	4.75
4110	14.50
4111	16.50

Page 4

4120	3.25
4124	3.25
4126	22.50
4130	22.50
4132	ea. 2.50
4133	ea. 3.25
4134	ea. 3.25
4140	ea. 1.25

Trial case accessories on last page

Page 5

4160	1.90
4162	2.75
4164	4.25
4165	4.75
4168	12.50
4170	13.50

Page 6

4171	16.50
4172	13.50
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Page 7

4200	17.50
4201	17.50
4202	17.50
4203	17.50
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4209	17.50

Page 8

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Page 9

4230	
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Page 10

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Page 11

4300	30.00
4302	40.00
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Page 12

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Page 13

4320	12.00
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Page 14

4330	65.00
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4335	48.00

Page 15

4340	6.50
4342	12.00

Page 16

4349	7.50
4350	37.50
4352	10.50

Page 17

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Page 23

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Page 31

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Page 32

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4758-64	ea. 1.75

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5122	2.50

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Page 66	
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4 ½ in.	2.00
5 in.	2.25
5 ½ in.	2.50
6576 4 in.	1.75
4 ½ in.	2.00
5 in.	2.25
5 ½ in.	2.50
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4 ½ in.	2.50
5 in.	2.75
5 ½ in.	3.00
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4 ½ in.	2.50
5 in.	2.75
5 ½ in.	3.00
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6606 ea. 2.75
6615 2.75
6616 3.00
6617 3.75
6620 1.00
6622 4 in. 1.15
6622 5 in. 1.25

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6682 1.75
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6732
6734 .95

Page 69

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7009 2.50
7010 2.25
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7016 2.25
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Page 70

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7066 ea. .30
7067 ea. .30
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7071 ea. .50
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7074 ea. .60
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7081 .75
7082 1.75

Page 71

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Page 72

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Page 73

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7167 17.50

Page 74

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Page 75

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Page 76

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Page 77

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Page 78

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7309 10.50
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7314 ea. 10.50

Page 79

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7359 6.00

Page 80

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Page 81

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7400 14.50

Page 82

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7431 ea. .90
7432 ea. .90
7433 ea. .90
7434 ea. .90
7438 per box 1.25
7440 per set 1.50
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7446 ea. 1.25

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Page 86

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7601 1.75

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7617 2.75
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7626 8.50

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Page 89

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7729 2.25
7730 .75

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7758 2.00

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7801 3.50
7805 per 100 6.00
7806 per 100 3.00
7807 for large receptacles 7.50
7807 for small receptacles 7.50
7808 for large receptacles 6.00
7808 for small receptacles 5.75
7815 1.75
7816 1.95
7820 2.75
7822 2.50
7824 1.25

Page 93

7875 per pair 1.80
7876 per pair 2.00
7877 1.75
7878 1.75
7879 1.50
7880 1.50
7881 1.50

Page 94

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7915 26.00

Page 95

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8044 3.50

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8046	4.50

Page 96

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Page 97

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Page 98

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8158	5.25

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Page 100

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Page 101

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8256 blade only	2.25
8257 blade only	2.25
8258 blade only	2.25
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8260 blade only	2.50
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8262 blade only	2.50
8263 blade only	2.50
8264 blade only	2.50
8265 blade only	2.50
8266 blade only	2.50
8267 blade only	2.50
8269 blade only	2.50
Fixed handle, extra	.75
Handle with set screw, extra	1.25

Page 102

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8292	3.75
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8304	2.50

Page 103

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Page 104

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Page 106

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